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1997-1999 Catalog

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Applications

From the President

The ideal public college fulfills its mission by educating citizens of all ages and socioeconomic backgrounds. Missouri Southern State College is proud of the role it plays in the intellectual and personal growth of its diverse student body.



You will discover here one of the finest values in higher education anywhere, with quality academic programs, small classes, excellent and accessible professors, and reasonable cost.

Our curriculum combines a liberal arts foundation with a professional orientation and a strong commitment to the international aspects of education in order to prepare you for lifelong learning and a successful career in a rapidly changing and competitive world.

We invite you to come to our beautiful campus and visit with our faculty and staff so that you can experience true "Southern" hospitality and learn for yourself how Missouri Southern can prepare you for the 21st Century.

Julio S. Leon, President

Salis S. León

Dear Student,

If you're entering college for the first time, or even coming back after several years' absence, there is information in this catalog you'll need. It's not the most exciting bedtime reading, but it does pack a lot of information about our academic programs throughout your college experience.

This catalog and our helpful staff also can answer your more immediate questions:

1. Can I get some financial help with college costs?

Yes, a full range of financial aid programs are available to qualified students. Mr. Jim Gilbert and his staff can provide you with information and applications in Hearnes Hall 114, 625-9325. (Financial Aid, page, 20)

2. I haven't decided on a major yet. What do I do?

Southern has trained counselors to help you discover what your best interests and attributes might be. Visit with Dr. Linda Caldwell, Hearnes Hall 115, 625-9324. (Counseling Services, page 25)

3. I'm concerned about the transition from high school to college. Is there someone to help?

The Counseling Services can help here too, as well as your College Orientation class. See Dr. Linda Caldwell or Mrs. Susan Craig, Hearnes Hall 115, 625-9324. (*Orientation, page 26*)

4. Do you have an Honors Program?

Southern has an excellent and challenging Honors Program which includes a summer study option at Oxford University in England. Talk to Dr. Lanny Ackiss or Dr. Patricia Kluthe, Webster Hall 137, 625-9686. (Honors Program, page 33)

5. What activities and organizations are available?

A host of special events, student activities and departmental organizations are available throughout the year. Drop by Val Carlisle's office, Student Center 101, 625-9320. (Student Activities, page 27. See also individual departments.)



Our Mission

Missouri Southern State College is a state-supported, comprehensive college offering programs leading to the bachelor's degree. Faithful to its original statutory charter, the College also offers continuing education courses and a number of two-year programs in technical and vocational areas for the benefit of the community.

The College's primary emphasis is the offering of a baccalaureate program that fosters the total education of each student. Central to that mission is a strong commitment to international education, to the liberal arts, to professional and preprofessional programs, and to the complementary relationship that must exist between liberal and professional education in order to prepare individuals for success in careers and lifelong learning.

Inherent in its international approach to undergraduate education is the College's desire to prepare its students to understand world affairs, international issues and other cultures as seen through their history, geography, language, literature, philosophy, economics and politics. Knowledge and understanding of other cultures of the world also promote better understanding of our own valuable cultural diversity.

Missouri Southern's commitment to the liberal arts is reflected in a comprehensive program of general education requirements for all students to ensure that they have a breadth of educational experiences which will enable them to develop communication and critical thinking skills and to acquire and apply aesthetic, contemporary, civic, international, historical, mathematical, scientific and value-oriented perspectives.

The faculty and staff of Missouri Southern State College emphasize quality teaching and learning as the most important attributes of the College, complemented by scholarly and creative expression and dedicated community service. Community service involves responsiveness to the Southwest Missouri region as well as serving as the intellectual, creative and cultural center of the area.

In order to remain loyal to the trust given to the College by the people of the State of Missouri, Missouri Southern State College will:

- fulfill its mission and objectives in an honorable and ethical manner;
- periodically review its mission in light of contemporary changes in society and in the needs of the people of Missouri;
- continually assess the effectiveness of its programs in order to ensure their quality and integrity.

International Education

On June 15, 1990 the Board of Regents of Missouri Southern State College approved a recommendation to pursue an international approach to undergraduate education.

The move to an international approach to our educational mission is prompted by the realization that the successful citizens of the 1990s and the 21st century will have to possess better knowledge and awareness of the people, languages and cultures of other countries of the world. The dramatic changes that are taking place in the economic and political systems of Russia and Eastern European countries as well as the challenge by Asian and European countries to American economic leadership make self-evident the need for a college education with a strong global perspective.

In July of 1994, Governor Mel Carnahan signed into law House Bill No. 442 in which Section 1 reads as follows: "The Missouri Southern State College located in Joplin, Jasper County, is hereby designated a moderately selective institution which meet the needs of the citizens, businesses, and industries of its service area as defined in section 174.010, RSMo, as well as counties contiguous to Jasper County. The institution shall develop such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission."

Thus, with a stroke of a pen, the Governor of Missouri provided MSSC and its students a very distinctive status among colleges and universities in Missouri. With it goes the official state support for new, exciting initiatives that will enable Missouri Southern State College to provide its students with international programs and activities to prepare them well for the challenges of a 21st century.

It is a well accepted fact that in today's economy a high school diploma is not enough anymore to secure a comfortable standard of living for one's family. As we have moved from the industrial to the information age, the well-paying assembly line jobs of the past are unfortunately disappearing and giving way to jobs that require a good college education. Thanks to the designation, Missouri Southern will be in a position to lead the state institutions in the development of college graduates who can face with confidence the new emerging global environment.

Missouri Southern State College is phasing in over several years, different programs and activities designed to internationalize our college. Among these are included:

- Revising the curriculum to include a global perspective in every possible course.
- Expanding the teaching of foreign languages to include, among others, Russian, Chinese, Arabic, Italian, Japanese, etc.; in addition to German, French and Spanish.
- Increasing opportunities for Missouri Southern students to study abroad.
- Staging conferences and lectures on world affairs, as well as cultural and artistic programs with international performers.
- Creating new courses in international studies.
- Increasing the participation of international students.

As these programs are implemented, our present and future students should take advantage of them and prepare for the global environment of the future.

A Student's Guide to the Baccalaureate Degree

Non Scholae Sed Vitae Discimus "Education not for a living, but for life."

We the faculty at Missouri Southern believe that you achieve a complete education through an interrelated program of study which includes the **Core Curriculum** and **classes** in your **major**, as well as the extra-curricular opportunities available to you that complete the total collegiate experience. We realize that over a lifetime many of you will change occupations and careers several times. While

- Acquire knowledge, both in breadth and depth, through exposure to a wide variety of disciplines and through majoring in your chosen field.
- Communicate with precision and style and to think clearly and critically.
- Achieve competence in quantitative skills.
- Know the methods of inquiry and thought necessary for understanding nature, society and self.

specialized knowledge in your field is essential, we believe that certain lifelong thinking and learning skills and a common body of knowledge are critical for an understanding of yourself and your larger community and for career advancement in the 21st-century marketplace. Specifically, we are committed to assist you as an undergraduate to

- Sharpen your awareness and appreciation of other cultures with their differing values, traditions and institutions.
- Develop lasting intellectual and cultural interests.
- Learn more about yourself and demonstrate mature decision-making skills.
- Achieve greater social maturity and tolerance for human diversity through the experience of working closely with a wide variety of fellow students and faculty members.

Core Curriculum

The Core Curriculum at Missouri Southern is a carefully designed series of courses that all students earning a bachelor's degree must complete. It is our effort to furnish you a liberal education. But why? What about the Core is so important that it constitutes nearly half of the credit hours necessary for your degree?

One way to answer that question is to reflect on another: What does it mean to be well-educated? After all, that is what a college degree

signifies, that you are a well-educated man or woman. While the question has generated much debate and while there is no simple answer, most agree that a well-educated person possesses certain fundamental intellectual skills, a broad knowledge of the world and a deep knowledge of a particular subject. While pursuit of a major field of study furnishes knowledge in depth, it is the Core Curriculum that seeks to arm you with the powers of mind and the breadth of knowledge that characterize the well educated.

Goals of the Core Curriculum

The College defines three broad powers of mind that are essential to the well-educated:

Communicating. Well-educated people can communicate effectively to inform, to understand, to analyze and to persuade, and they do so not only with words but with numbers, graphs and symbols. Whether reading or listening, speaking or writing, our graduates can communicate well.

Critical thinking and problem solving. Critical thinking means to look at the world from a variety of perspectives, weigh evidence, sort through implications and think clearly towards understanding. Our graduates can think critically to solve problems—be they scientific, social, or personal—analyzing them and devising solutions.

Clarifying values. All choices are guided by value judgments, judgments about the way things ought to be. A well-educated person can identify personal values and the values of others, understand how such values develop and analyze the implications of choices made on the basis of value judgments.

The College defines three broad areas of knowledge the well-educated must master:

Functioning within social institutions. A well-educated person must understand the complex fabric of society: governmental and economic systems, religion, family institutions, civic duties, the worlds of work and play—the whole range of things that constitute a culture. Our graduates can understand the influence social institutions have on themselves and others.

Understanding science and technology. Science is one of humanity's most important tools for understanding the world, and technology for controlling it. Well-educated people possess not only a fundamental scientific and technological knowlege but also the capacity to evaluate the impact of science and technology upon humanity and the environment.

Understanding the arts. The arts are another of humanity's most important tools for comprehending existence, but the diverse arts—from literature, film and theatre to architecture, music and painting—also enrich experience. A well-educated person can analyze and interpret works of art and also analyze how they express and in turn influence a culture.

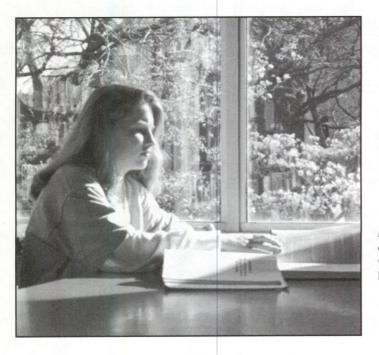
These six goals have shaped the faculty's design of your Core Curriculum. From one point of view, the Core Curriculum is still an array of courses from which students choose. But it is more than that. The word *core* is derived from a root that means heart. We the faculty believe that your experience in our Core Curriculum is the heart of an excellent education. It also provides the foundation for your study of your major.

Three major strands are woven into the college's curriculum in both the Core and the major: writing, computer literacy and international education. First, because writing is among the most crucial skills, Southern ensures that writing permeates the total course of study, starting in freshman composition courses and continuing through writing intensive courses in each major. Second, no one unfamiliar with computers will be prepared to face the 21st Century, so Southern has devised a computer literacy program to enable all its graduates to use these powerful tools. And third, as detailed elsewhere in this catalog, Southern has a special emphasis in international education. An awareness of other peoples, languages and cultures is becoming increasingly necessary. In every possible course, the curriculum includes a global perspective.

Your Major

The College offers more than 60 majors in a wide variety of fields. Your pursuit of your major will furnish you with the knowledge in depth that is also characteristic of a well-educated person. Some students come to Southern with a clearly defined idea of their major; others come uncertain, relying on their exposure to the Core Curriculum and on experimenting with a few elective courses to help them choose.

In either case, when you emerge with your baccalaureate degree, you will have mastered a body of knowledge that sets you apart from well-educated people in other fields. Often it is your mastery of a particular discipline that makes you of great value in the workplace. Not only do you emerge knowing a great deal, but you also emerge armed with the power to learn more, to extend your knowledge.



Special Features of Missouri Southern State College

A comprehensive education fostering life-long learning is the aim of our liberal arts curriculum. Southern strives to present the best in higher learning. The following features distinguish our college.

Emphasis on Teaching. The heritage of Missouri Southern is that of an undergraduate college where the interaction between teacher and student is of primary importance in the learning experience. Here you will be taught by professors with degrees from the most prestigious universities across the nation.

International Mission. The world is changing rapidly and dramatically. The future will belong to those who have an understanding and appreciation for the world beyond the boundaries of our country. That is why Missouri Southern has chosen to emphasize the global aspects of our entire curriculum and to add the international dimension to all of our courses wherever possible.

Assessment of Outcomes. Missouri Southern continually assesses the effectiveness of its programs, including the Core Curriculum and all the majors. The assessment information helps us revise and improve our programs. In this way, we ensure our curriculum is dynamic and up-to-date and not a static monument to past practice.

Total Collegiate Experience. A great deal of college education happens outside the classroom. An array of extracurricular activities is offered to meet almost every academic and social interest. In addition, a variety of services are available for the student to meet educational and personal needs.

Diverse Student Body. Not all students at Southern are the same age or from the same region or nation. We see its sizable enrollment of nontraditional students (those over 25) and international students as a great advantage. Rarely do we find "real world" situations in which people interact exclusively with others of their own age and hometown. On our campus, students come to see each other as friends and allies and learn to develop healthy and supportive relationships with a variety of people.

Enrichment Programs. Your opportunity for total education is enriched through a variety of special programs including the Honors Program, study abroad at Oxford University and Cambridge University in England, Folkhögskola in Sweden and in Mexico at Morelia, Michoacan, internships and independent study opportunities and special cultural events such as the biennial Missouri Southern International Piano Competition.

More complete information on each of these features is found in the catalog. And of course, our faculty and staff are always willing to help you in any way to make the most of your college experience. Don't hesitate to ask. We're here for you!

Assessment of Outcomes

Goals of Assessment of Outcomes

Assessment is an on-going, cyclical effort of identifying goals, developing programs to achieve those goals, evaluating the effectiveness of the programs, analyzing the results, redefining the goals and improving the programs. That cycle is a basic responsibility of all faculty and administrators. Stated goals of outcomes assessment at Missouri Southern are:

- Evaluation of institutional effectiveness by research and assessment of:
 - a. Core Curriculum programs and school departments
 - b. Academic and developmental student outcomes
- Improvement of both academic and student affairs programs:
 - a. To increase student academic and developmental outcomes
 - b. To increase student retention and degree completion
- 3. Provision of data needed for long-range planning to fulfill the college mission
- 4. Fulfillment of governmental mandates

In its mission, Missouri Southern is committed to developing effective programs to fulfill the needs of the students while developing knowledge, skills and positive attitudes. In order to accomplish that goal, on-going assessment is conducted not only by professors in the classes offered each semester, but also by faculty and administration in annual program reviews. The Center for Assessment and Institutional Research assists faculty and administration in gathering data for those reviews. In addition, a Faculty Assessment Advisory Committee meets regularly with the administration to study current assessment methods and make recommendations for improvement of the College's assessment program.

Program for Assessment of Outcomes

Importance of assessment for college accountability is underscored by a **Board of Regents Policy which requires that students participate in assessment activities when requested.** Information obtained from standardized tests, faculty developed tests, surveys, student research, portfolio review, student interviews and performances is used to develop both quantitative and qualitative data needed for the analysis phase of our assessment plan. Three identified areas of student outcomes are assessed each year: Core Curriculum, departmental majors and student development. In addition, follow-up studies of alumni and employers are conducted periodically.

Core Curriculum: Data for study is gathered each year by administering a standardized test and needed surveys to incoming freshmen and exiting seniors. The ACT COMP (American College Testing College Outcome Measures Program) is a standardized test used to measure the impact of a Core Curriculum on students as they progress through a degree program. Students are called upon to analyze, synthesize, apply and evaluate information, rather than just to recall or recognize content.

Departmental Majors: The faculty and administration of each department are responsible for evaluating the effectiveness of their programs. All departments have developed outcomes assessment programs for graduating seniors. Information gathered from quantitative and qualitative assessment is used by the department to review programs. A variety of assessment methods are used by the various departments.

Departments which offer degrees that lead to state or national certifications use the required standardized tests for entrance and certification as their quantitative measures. These departments include computer information science, dental hygiene, education, medical technology and nursing. Departments which use standardized major field tests that are offered by the Educational Testing Service or by their particular professional organization include biology, business administration, chemistry, English, environmental health, history, management technology, mathematics, physics, sociology. music, and psychology.

In major areas where standardized tests are currently unavailable, departmentally developed assessment plans have been implemented. The plans utilize one or more of the following methods: faculty developed exams, portfolio review, student interviews, external examiners, capstone projects and simulations, among others. The art, communications, criminal justice administration, political science, Spanish and theatre departments have developed such plans.

Student Development: The impact of a college is not limited to the classroom. While Core Curriculum and departmental major assessment is focused on knowledge and skill outcomes, student development assessment focuses on social and personal growth of students both inside and outside of the classroom. Surveys and opinionnaires are the primary methods of gathering data to assess student development. Data are collected from entering and graduating students each year to assess current attitudes and opinions as well as trends in that information. Missouri Southern State College participates in three rotating statewide surveys which give us comparative data from currently enrolled students, alumni and employers of our graduates.

National Recognition for MSSC's Assessment Program

MSSC's Assessment Program has been recognized as exemplary by American College Testing, Inc. (ACT). The program was featured in ACT's Winter 1997 newsletter. Several presentations at national assessment and research meetings have highlighted MSSC's Assessment Program as a model for other institutions. MSSC's program is in the top six percent nationally for programs using assessment results to make curricula decisions. This is only possible with the support and vision of our Board of Regents, administration, and faculty.

MSSC Students Report Higher Satisfaction Than National Samples

ACT Student Opinion Survey Report of Satisfaction Averages for Selected College Environment Items in 1996

Item Text	MSSC Seniors	Public Coll. Sample	National Sample	MSSC-Public Coll. Difference
Instruction in your major field	4.30	3.89	3.94	.41*
Out-of-class availability of your instructors	4.26	3.83	3.94	.43*
Attitude of the faculty toward students	4.32	3.86	4.00	.46*
Class size relative to the type of course	4.52	3.98	4.14	.54*
Availability of your adviser	4.34	3.70	3.81	.64*
Value of information provided by your adviser	4.11	3.62	3.72	.49*
Classroom facilities	4.05	3.67	3.72	.38*
General registration procedures	3.78	3.38	3.49	.40*
Concern for you as an individual	3.77	3.30	3.49	.40*
Opportunities for student employment	3.69	3.24	3.33	.45*
This College in general	4.18	3.87	3.91	.31*

^{*}Difference statistically significant at the .001 level.

As the table above indicates, Missouri Southern students consistently report high satisfaction rates with the campus culture and personnel.

Results of Assessment of Outcomes Core Curriculum

As our Assessment program matures, we have an ongoing commitment to use the data collected from tests, surveys, etc. to analyze trends and link results to the planning process. Teams of students, faculty, administrators and staff have studied the data. Assurance of the quality and effectiveness of our Core Curriculum has been the result.

For example, the Core Curriculum study resulted in a consensus that what we teach in our Core fits our mission, but how we teach in the Core and major should be the focus. To that end several initiatives on campus are studying new approaches to involve students more effectively in the learning process, teaching, modeling and requiring critical thinking and communication skills be used as students complete coursework. (Also a variety of tests are being piloted to have multiple measures of student performance.) Inventories of the Seven Principles of Good Practices in Undergraduate Education from students, faculty and administration will help us understand how we can improve the process of learning at Missouri Southern.

Missouri Southern State College ACT-COMP Examination 1995-1996

Class	Total Score Mean	Number of Students Tested
Freshman	172.9	665
Seniors	184.6	570

The table above amplifies the positive impact on students at Southern from their Core Curriculum experience. Mean gain scores of our seniors who took the test as freshmen show significant gains in the 60th+ percentile range. This helps confirm our approach to the Core. Longitudinal data since 1987 has helped shape improvements and confirmations of success with this program.

Results for freshman taking the ACT-COMP exam show that students score highest in Clarifying Values and Using Science and Technology when comparing all six suboutcome categories. Senior results show the greatest gains are made in these same two areas as well as Solving Problems.

10 / Assessment

Departmental

Departments are using their assessment data to make decisions on revising or continuing established curriculum. Departmental assessment shows positive outcomes in all areas. Some examples follow:

Teacher Education: Graduates of Missouri Southern's teacher education program have taken the National Teachers Examination since 1969. Each graduating senior takes the Professional Knowledge and a Teaching Specialty Test in the area of subject expertise. Averages of Southern graduates from the education program have scored above the national average consistently through the years.

In 1996, for example, 72 percent of the graduates of this program scored at or above the national average range. Another indication of the high quality of student Missouri Southern attracts and graduates is the average score of 22.2 on the ACT entrance examination.

Communications: From the multiple measures this department uses for assessment, information flows to

both students and faculty. The result is that students and the curriculum are both continually improving. Projects include self studies, use of outside evaluators, surveys of current students and alumni, exit interviews for seniors, a nationally normed test in communication apprehension, a capstone course, faculty retreats and student focus groups.

Business Administration: Seniors are assessed through a capstone course experience which includes taking the Major Field Achievement Test. A case approach requires students to demonstrate knowledge of previous classes in the major. They are mentored to conceptualize ideas to form strategies.

Health Programs: Graduates of the Nursing Program traditionally excel on the State Board Examination. Few programs can match our successful record - 100 percent of all Nursing Graduates since the program's 1968 inception have passed the NCLEX certification test. Health programs such as Dental Hygiene and Radiologic Technology have had similar successes.

Fee Policies

Schedule of Fees

Tuition and Incidental Fees For 1997-98

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Tuition (per credit hour)	
Missouri residents	\$72.00
	\$144.00
Textbook Rental Fee (per	credit hour)\$4.00
Equipment Use Fee - full	time students \$20.00
part time students	\$10.00
Student Activity Fee - ful	I time students \$20.00
part time students	
Parking Fee	\$5.00
Records Fee	\$3.00
Other College Fee	S
	n (non-refundable)
Change of Class Schedul	e (add/drop fee) \$5.00
Late Registration	\$10.00
Student ID (first time stud	dents) \$ 2.00
(replacement card)	\$5.00
,	
Special Course Fee	es
Applied Music (per cred	it hour)
Art Materials (varies with	course) \$5.00 - 25.00
Dental Hygiene (first ter	m)\$999.00
Education Course Materi	als \$2.00 - 8.00
(varies with course)	uis qui
	\$611.00
	\$10.00
	gy \$15.00
	sic majors only) \$50.00
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Residence Hall Fees

Science Courses with Labs

Residence Hall Cost (per semester)*	\$1620.00
Apartments (per semester)*	
Refundable Security Deposit	\$100.00

Photography......\$25.00

Science Laboratory Breakage and Materials cost

*Payable in five (5) payments

Other incidental fees for supplemental class materials, testing or other course-related costs may be assessed as required.

The College reserves the right to change fees without notice.

Payment of Fees

1. Tuition and Incidental Fees

For all students who have pre-registered, at least 50% of the semester charges must be paid two weeks prior to the first day of classes for that semester. The remaining balance on account will subsequently be due before the end of the third week of the semester. Failure to remit the first 50% installment according to these payment terms will result in an immediate drop from all pre-registered classes before regular registration.

For students who enroll during regular registration, payment of 100% of the fees charged will be due and payable on the day of registration. Failure to remit the balance due will result in an immediate drop from the student's class schedule.

Statements of account will be mailed to all pre-registered students prior to the initial payment deadline. Final statements will be mailed at the end of the first week of the semester.

It is extremely important to realize that a financial obligation is incurred at the time of enrollment. Services are rendered as of the first day of class so unless a student officially withdraws prior to that day, fees will be assessed in full. No reduction in charges according to the College refund policy will be credited to the student's account until an official withdrawal is completed. Failure to pay fees in accordance with the stated payment plan will not necessarily relieve the fianancial obligation incurred if the student is dropped for non-payment.

Students expecting their fees to be paid through financial aid sources must have all documentation filed with the Financial Aid Office by August 1st for the Fall term, and by January 1st for the Spring term in order to receive consideration for payment deferment.

Students enrolled in evening classes for regular college credit courses, applicable toward an associate or baccalaureate degree, are subject to the same fees, rules and regulations as set forth for students attending day classes. Special fees for classes not applicable toward a degree program will be announced in the Evening Session Bulletin.

Students enrolled in summer classes will be subject to the same fees, rules and regulations as followed in the Fall and Spring semesters immediately preceding the Summer Session.

12 / Fee Policies



Appeals concerning special problems pertaining to fees should be directed in writing to the Treasurer in Hearnes Hall, Room 210.

2. Residence Hall

Students will not be permitted to move into the Residence Halls without remitting payment of at least 50% of tuition and 40% of Residence Hall fees.

As stated in the contract agreement, students will be responsible for the full semester fee, except as specified in the contract, once they have checked into the Residence Halls even upon complete withdrawal from school. The security deposit will be refunded only if the terms of the contract have been fulfilled.

Explanation of Fees

Admission Application Fee - a non-refundable administrative fee required upon submission of an application for admission.

Change of Class Schedule - an administrative fee charged for each class change (add or withdrawal) made after the first week of the semester.

Equipment Use - an incidental fee assessed each semester which enables the College to provide the most technologically current equipment for use in the classroom and laboratories. All fees collected will be used solely for the purchase of equipment which will directly benefit the students in their college course work.

Late Registration - an administrative fee assessed to students who enroll for classes after the first full week of the semester.

Parking - an incidental fee assessed each semester to cover all costs associated with vehicle registration, roadway & sidewalk maintenance and campus security.

Records Fee - an incidental fee assessed to all students each semester to cover an unlimited number of transcripts, cap and gown and diplomas. This replaces the old transcript and commencement fees.

Special Course Fees - fees charged for additional course materials or services supplied by the instructor. (Courses include but are not limited to art, music, education, nursing, dental hygiene and photography).

Student Activity - an incidental fee assessed each semester to support various aspects of campus life including student activities, student government, student publications and other events and services provided by the College.

Student I.D. Card - a one-time fee assessed to all new students allowing the issuance of a photo identification card. This card is required not only for identification purposes but also must be presented in order to check out library materials, to be admitted to campus activities, to obtain meals under the Residence Hall meal plan or to conduct business in various campus offices such as Financial Aid, Cashiers Office, Ticket Office, etc.

Fee Policies / 13

Textbook Rental - a per credit hour fee assessed for the use of rental textbooks. The College operates a rental system through the College Bookstore which allows the use of the required textbook by the student for one semester. Before rental books may be issued, the student is required to have paid at least 50% of the total fees due for the semester. Students are required to return these textbooks within 24 hours of the completion of their last final exam for the term. It should be noted that some classes may require the purchase of supplemental books and materials not available through the rental system. These materials will not be billed to the student's account but must be paid for at the time they are purchased at the College Bookstore.

Refund Policy (Except for Residence Hall Charges)

During the course of any semester, if a student finds it necessary to drop individual classes or fully withdraw from college, the fee refund policy is as follows:

For Fall and Spring Semesters

Prior to the end of the first week of classes 100% refund Second through fifth weeks 60% refund After the fifth week 0% refund

For Summer Semester

Prior to June 12, 1997			 1	100%	refund
June 16 through June 26, 19	97			60%	refund
After June 26, 1997			 	. 0%	refund

Withdrawal from classes during the refund period means that the student will be responsible for 40% of the cost of tuition.

First time students at the College who receive Federal financial aid under Title IV and who totally withdraw from classes during their first academic year shall receive a pro-rata refund based on a Federally mandated schedule. Copies of the refund schedule are available in the Business Office.

To be eligible for a refund, the student must formally complete a drop or a withdrawal form and submit it to the Registrar's Office. Failure to attend classes will not constitute a withdrawal.

If the student withdraws after payment of any or all fees for the semester, any monies due to the student will be mailed after fee refunds have been applied. However, if the college costs have been paid partially or fully by financial aid (scholarships, grants, loans, other government assistance programs, etc.) the refund monies will be first applied to the financial aid program source. Once these awards have been fully refunded, any remaining balances will be forwarded to the student.

All refunds must be claimed during the term for which the refund applies. Students who feel that individual circumstances warrant exceptions to this policy may appeal in writing to the Treasurer. This appeal must be made during the term for which the refund applies.

For policies concerning fee refunds for Residence Hall charges, please refer to the Residence Life contract.

14 / Calendar

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Academic Calendar

1997 SUMMER SEMESTER

June 6	Day and Evening Registration
June 9	Classes Begin
June 12	Last Day for Full Refund of Fees
June 16	Add/Drop Fees and Late Registration Fees Begin
June 26	Withdrawal After This Date No Refund of Fees
July 4	4th of July Holiday
July 17	Last Day to Withdraw From a Class with a "W"
July 28	Last Day for Complete Withdrawal from
	College with all "W's"
July 30	Last Day of Classes
July 28-31	Final Examinations (Evening Classes)
	Final Examinations (Day Classes)

1997-1998 FALL SEMESTER

August 21	Day and Evening Registration
August 22	Faculty Study Conference & Day Registration
August 25	
August 29	Last Day for Full Refund of Fees
September 1	Add/Drop Fees & Late Registration Fees Begin
September 1	Dismissal for Labor Day
September 26 V	Withdrawal After This Date No Refund of Fees
October 24	Last Day to Withdraw From a
	Class with a "W"
November 26-28	Dismissal for Thanksgiving Holiday
December 1	
December 8	Last Day for Complete Withdrawal From
	College with all "W's"
December 12	Last Day of Classes
	Final Examinations
December 19	End of Semester

1997-1998 SPRING SEMESTER

January 15 Day and Evening Registration
January 16 Faculty Study Conference & Day Registration
January 19 Classes Begin
January 23Last Day for Full Refund of Fees
January 26 Add/Drop Fees & Late Registration Fees Begin
February 20 Withdrawal After This Date No Refund of Fees
February 25 Senior Assessment Day
March 20Last Day to Withdraw From a Class with a "W"
March 23-27 Spring Break
May 11Last Day for Complete Withdrawal from
College with all "W's"
May 13 Last Day of Classes
May 14Reading Day — No Finals
May 15-21 Final Examinations
May 21 End of Semester
May 23Commencement
May 25-June 6 Intersession

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Academic Calendar

1998 SUMMER SEMESTER

June 5	Day and Evening Registration
June 8	
June 11.	Last Day for Full Refund of Fees
June 15.	Add/Drop Fees and Late Registration Fees Begin
June 25 .	Withdrawal After This Date No Refund of Fees
July 2	Dismissal for 4th of July Holiday
July 16	Last Day to Withdraw From a Class with a "W"
July 27	Last Day for Complete Withdrawal from
	College with all "W's"
July 29	Last Day of Classes
July 27-3	0Final Examinations (Evening Classes)
July 30	Final Examinations (Day Classes)

1998-1999 FALL SEMESTER
August 20 Day and Evening Registration
August 21 Faculty Study Conference & Day Registration
August 24
August 28 Last Day for Full Refund of Fees
August 31 Add/Drop Fees & Late Registration Fees Begin
September 7 Dismissal for Labor Day
September 25 Withdrawal After This Date No Refund of Fees
October 23Last Day to Withdraw From a
Class with a "W"
November 25-27 Dismissal for Thanksgiving Holiday
November 30
December 7 Last Day for Complete Withdrawal From
College with all "W's"
December 11Last Day of Classes
December 14-18 Final Examinations
December 18 End of Semester

1998-1999 SPRING SEMESTER January 14 Day and Evening Registration

January 15 Faculty Study Conference & Day Registration

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Janu	uary 18	Classes Begin
		Last Day for Full Refund of Fees
Janu	uary 25 Add/Drop Fees	s & Late Registration Fees Begin
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		Spring Break
May	y 10 Last Day	for Complete Withdrawal from
		College with all "W's"
May	y 12	Last Day of Classes
May	y 13	Reading Day — No Finals
May	y 14-20	Final Examinations
May	y 20	End of Semester
May	y 22	Commencement
		Intersession

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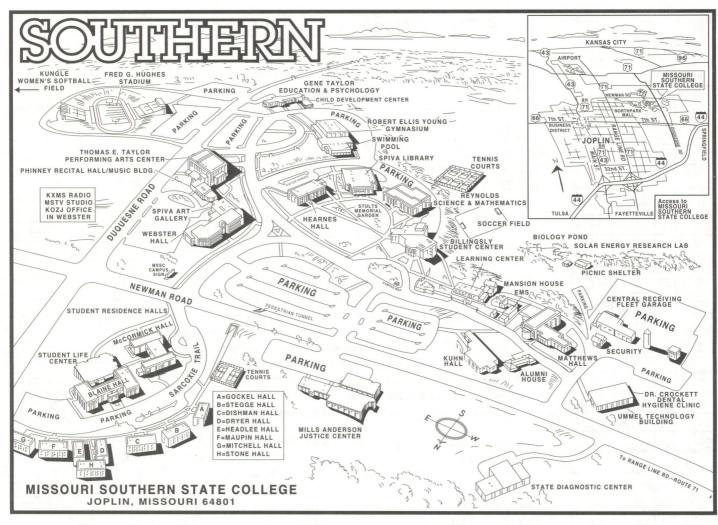
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Building Directory

Alumni House

Alumni Office Missouri Southern Foundation

Anderson Justice Center

Firing Range
Law Enforcement
Pagional Crime Laborate

Regional Crime Laboratory

Art Building

Art Department Spiva Art Gallery of MSSC

Billingsly Student Center

Bookstore
Food Service
Meeting/Game Rooms
Career Planning/Placement
Public Information Office
Student Activities, Student Services
Ticket Office

Biology Pond

Picnic Pavilion Solar Energy Laboratory

Campus Directory Emergency Medical Services Annex

Dean of Technology Emergency Medical Technology Paramedic

Hearnes Hall

Administrative Offices Admissions, Financial Aid Counseling English Department Registrar

Hughes Stadium Kuhn Hall Kungle Softball Field Maintenance Office

Central Receiving Campus Security Greenhouse

Matthews Hall

Business Administration Computer Science Matthews Hall Auditorium

Mission Hills Mansion Complex

Learning Center

Music Building

Phinney Recital Hall

Reynolds Hall

Biology, Mathematics, Physical Sciences Departments

Soccer Field Spiva Library

Student Life Center Computer Labs

Meeting Rooms
Recreational Facilities

Student Residence Halls Stults Memorial Garden **Taylor Hall**

Child Development Center Psychology Department Teacher Education Department

Taylor Performing Arts Center Theatre Department

Ummel Technology Building

Drafting/Design Dental Hygiene Departments Manufacturing Technology

Tennis Courts Veterans' Memorial Webster Hall

Communications Department Continuing Education Honors Program KOZJ Office KXMS Radio MSTV Studio

MSTV Studio Social Science Department Webster Hall Auditorium

Young Gymnasium

Kinesiology Department Sports Information Office Swimming Pool/Racquetball Varsity Athletics

P - Parking VP - Visitor Parking

Joe Becker Stadium, home of the Baseball Lions, is on 3rd and High Streets.

Correspondence

Missouri Southern State College • 3950 E. Newman Road • Joplin, Missouri 64801-1595 (417) 625-9300

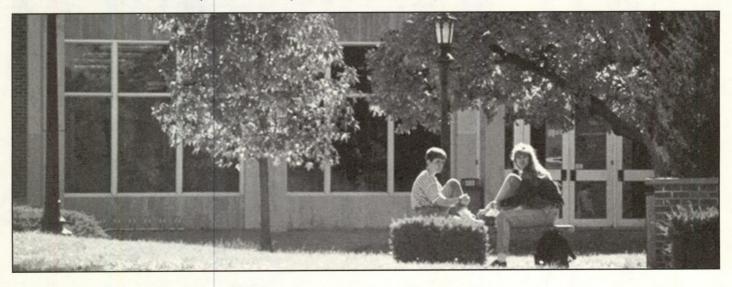
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(admission, financial aid, athletics, housing)

Academic Affairs	625-9394	Missouri Southern Foundation 625-9396
Admission Office	625-9378	MSTV
Athletics (men)	625-9317	News/Publications 625-9399
Athletics (women)	625-9316	Orientation
Alumni Affairs	625-9396	Physical Plant
Bookstore	625-9380	Public Information Office
Business Affairs	625-9728	Purchasing
Cafeteria	625-9546	Residence Halls
Career Services	625-9343	Blaine Hall
Catalog & bulletins	625-9378	McCormick Hall
Child Development Center	625-9360	Student Life Center 659-4461
Continuing Education		Safety & Security
Counseling		School of
Credit evalutions/transcripts		Arts & Sciences
Crime Laboratory		Business Administration 625-9319
Dental Hygiene Clinic		Education
Evening Session		Technology
Faculty appointments		Sports Information
Financial aid		Student Activities 625-9320
Gifts & Annuities	625-9500	Student Employment 625-9325
Grammar Hotline		Student Organizations 625-9320
Honors Program	625-9686	Student Services
Housing		Summer Session
KXMS-88.7		Swimming & Racquetball
Learning Center		Testing
Library		Ticket Office
Loans		Veterans Affairs

Web Site: http://www.mssc.edu

Additional areas (for academic department numbers, see department information in each school)



18 / Campus





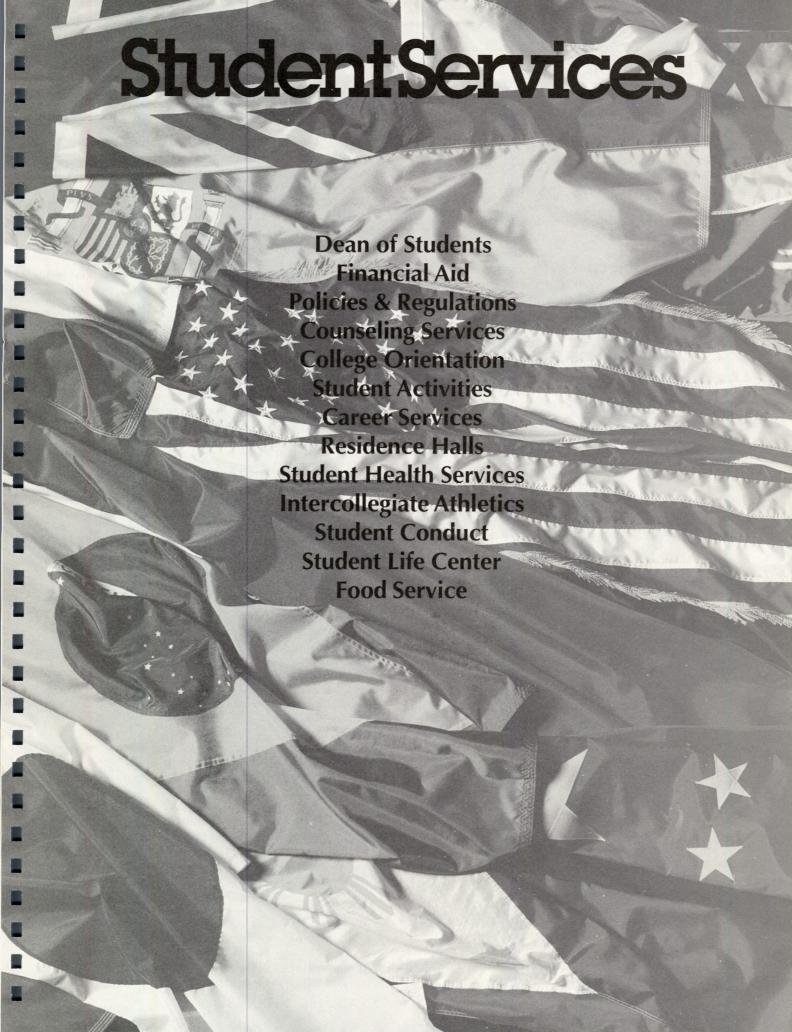
Campuscape

Missouri Southern's modern 320-acre campus is built on the site of the historic Mission Hills Estate, with the Spanish style mansion still a part of the scene. The 15 major buildings nestled in a beautifully landscaped suburban setting were all constructed since 1965. Special campus features include a biology pond frequented by Canada geese and the Stults Memorial Garden with aromatic plants indentified with braille signs.









Student Services

Dean of Students and Assistant Vice President for Student Services

Doug Carnahan

Pillingsly Student Contor 211, 625, 9531

Billingsly Student Center 211, 625-9531

Staff Carlisle, Foster, Gipson, Goodnight, Mitchell

Purpose and Objectives

Because all education does not take place in the classroom, the Student Services staff provides a wide variety of support services for students at Missouri Southern. The department includes the Student Services Central Office, Dean of Students, Residence Life, Student Activities, and Student Health Services.

With the objective of helping students to fully develop and achieve their educational goals, professional staff members are trained to support students by:

- providing a campus climate in student residence and campus affairs that is conducive to academic achievement;
- providing services which will assist in the self-development of all students and promote the understanding of their own purposes for being in college;
- providing, through student government, student organizations and other activities, both an opportunity to practice democratic living, with both rights and responsibilities, and a chance to learn to work effectively and cooperatively with others;
- 4. helping each student develop a sense of individual responsibility and self-discipline;
- interpreting college objectives, policies and rules to students and communicate student attitudes, opinions and activities to the faculty, administration and general public; and
- 6. providing student health services that meet the emergency and temporary medical needs of all students.

Financial Aid

Mr. James Gilbert Director of Student Financial Aid Hearnes Hall 117, 625-9325

Missouri Southern participates in a variety of aid programs to assist qualified students who would otherwise not be able to attend college. These funds – from private, institutional, state and federal sources – are coordinated to meet the individual student's need. There are programs based on various criteria such as financial need, performing ability and academic

excellence. Each program has requirements for maintaining the award and students must meet satisfactory academic progress guidelines for continued assistance. Foreign students are required to present a financial statement certifying they have sufficient funds to pay for all educational expenses. Information in this catalog regarding financial aid is subject to change without notice. Missouri Southern reserves the right to adjust a student's financial aid package to reflect a true change in the student's financial situation. Financial aid awards are subject to changes in institutional policy and State and Federal regulations.

How to Apply for Financial Aid

1. All applicants must complete the Free Federal application for student aid. MSSC prefers the electronic application. Application priority date is February 15; however, awards will be made until all funds are expended. This application will generate a Pell Grant and if applicant is eligible, will be used to apply for work and loans, Missouri Grant and a financial aid report.

Students who have not submitted all necessary financial aid documentation by August 1 for the Fall term and January 1 for the Spring term will be expected to pay their fees in full by the deadlines set out in this catalog. Payment deferments will only be available to those students who meet with the application deadlines and have provided all required documentation for eligibility determination.

- 2. Processing applicants should bring or mail all copies of the Federal Pell Grant Student Aid Report to the Financial Aid Office as soon as they receive the document.
- 3. Applicants selected for verification must bring or mail a copy of their own and if under 24, their parent's 1040 Income Tax Form to the Financial Aid Office. These signed documents must be on file before any award will be processed.
- 4. Applicants must indicate on their application the type of assistance for which they wish to apply. In addition, applicants for PLUS loans must complete a separate loan application.
- 5. Applicants for Patron Scholarships must complete a scholarship application and return it to the Scholarship Office by March 1.
- 6. Transfer students must request a financial aid transcript for each college previously attended.
- 7. Applicant for performing awards should contact the director of the program in which they wish to participate.
- 8. Applicants for special programs should contact the Financial Aid Office for instructions.

The Missouri Souhern State College Title IV Code is 002488

Scholarships	Who Is Eligible	How Much	How to Apply
Honors Program	Students who score 28 composite or above on the ACT Placement Test or 3.5 high school GPA	Full tuition and fees for ACT scores that fall within the 99th percentile	Send test scores to Director of Honors Program and request application
President's Scholarships*	First and second ranking students in each accredited high school in the College's service area with an ACT composite score of 21 or higher	1997-98 \$1200.00	Upon recommendations of high school counselor; scholarship is validated when recipient enrolls as a freshman
Regents' Scholarships*	Awarded directly to high school graduates who score 26 composite score or higher on the ACT and have a 3.0 high school GPA	1997-98 \$800.00	Have ACT Placement Test scores sent to Counseling Office
Deans' Scholarships*	High school graduates who rank in the upper 30% of their graduating class and have a composite ACT of 23 or above. Can not be used in conjunction with the President's, Regents' or Honors Program Scholarships.	1997-98 \$610.00	Contact your high school counselor
Non-Resident Service Area Scholarships	Students graduated from a high school outside of Missouri, but within the college service area. ACT composite of 21 or above and meet admissions criteria.	Equal to the difference between resident and non- resident fees up to 15 hours.	Contact Financial Aid Office
Junior College Transfer Scholarships*	Junior college graduates with a 3.25 GPA and students who have completed 55 hours or more with a 3.25 GPA at a junior college.	1997-98 \$800.00	Complete a Junior College Transfer Application
Non-Resident Junior College Transfer Scholarships	Attended junior college outside of Missouri but within the college service area and successfully completed 55 hours and a 3.25 GPA at the above junior college.	Equal to the difference between resident and non-resident fees up to 15 hours.	Contact Financial Aid Office
Patron's Scholarships	Criteria established by individual donors	Awards range from \$50 to \$2500 as determined by individual donors	Applications available in Financial Aid Office; application deadline March1
Performing Aid Awards	Students who have demonstrated success or high potential in forensics, journalism, music, mathematics, theatre, baseball, football, golf, softball, volleyball, basketball, soccer, tennis, etc.	Awards range from \$50 to full scholarship consisting of tuition, fees, room and board	Apply directly to the director or sponsor of particular activity

^{*}Students receiving President's, Regents', Deans' and Junior College Transfer scholarships must enroll in and complete at least 12 hours each semester with a 2.5 GPA the first semester and a 3.0 GPA the following semesters.

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Scholarships (Con't.)	Who Is Eligible	How Much	How To Apply
COPHE Teachers Scholarship	Graduating H.S. seniors	\$1000	COPHE Scholarship Application
Missouri Teacher Education Scholarship	Upper 15% of graduating class or score in the upper 15% on recognized exam.	\$2000 one time scholarship	Missouri Teacher Education Scholarship application available in the Financial Aid Office.
Robert C. Byrd's Honors Scholarship	Graduating H.S. seniors	\$1500	Byrd Scholarship Application
Missouri Higher Education Academic Scholarship	Graduating H.S. seniors	\$2000	Missouri Higher Education Academic Scholarship Application

Grants	Who Is Eligible	How Much	How To Apply
Federal Pell Grant	Federal Aid program based on financial need. All students should apply.	Grants range from \$200 to \$3700 depending on where the student lives and educational costs.	Complete an approved need analysis; MSSC prefers the electronic application, priority date February 15.
Missouri Student Grant	State funded program for Missouri residents; based on financial need.	Maximum grant not to exceed one-half the cost of tuition and fees.	Complete an approved need analysis. Deadline April 30.
Federal Supplemental Educational Opportunity Grants	Students with exceptional financial need.	Grants range from \$100 to \$4000 per academic year.	Complete an approved need analysis. MSSC prefers the electronic application, priority date February 15.

Employment Programs	Who is Eligible	How Much	How to Apply
Federal Work Study Program	Federal Aid program based on financial need. All students should apply.	Minimum wage, weekly hours based on need.	Complete an approved need analysis. MSSC prefers the electronic application, priority date February 15.
Student Help Program	On-campus employment for students who are qualified to fill job openings.	Minimum wage, weekly hours depend on operational need.	Apply to Student Employment Office or to individual departments on campus.
Job Location & Development	All students unless other aid criteria conflicts.	Minimum wage and up.	Fill out MSSC Employment Application, make an appointment.

Financial Aid / 23

Loans	Who Is Eligible	How Much	How to Apply
Federal Perkins Loan	All students who demonstrate financial need and have completed appropriate documentation as required by Federal regulations.	Need to \$3000 per year, Aggregate total \$15,000	Complete an approved need analysis. MSSC prefers the electronic application; priority date February 15
Federal Direct Stafford Loans - subsidized	All students who demonstrate financial need and have completed appropriate documentation as required by Federal regulations.	1 year up to \$2625 2 years up to \$3500 3 years up to \$5500 4 years up to \$5500 Aggregate total \$23,000	Application and special instructions available in Financial Aid Office. Complete an approved need analysis. MSSC prefers the electronic application; priority date February 15.
Federal Direct Stafford Loans - unsubsidized	Same as subsidized Federal Stafford Loans.	Cost of education minus other aid equals eligibility for independent students. Dependent students are restricted to the above amounts.	
Federal Direct PLUS (Parents Loan)	Parent of regular student must apply for Federal Aid programs.	Cost of education minus other aid equals eligibility.	

Other Assistance	Who is Eligible	How Much	How to Apply
Academic Management Service	All students are eligible for this monthly budget plan which allows payment of fees over a 10-month period and provides insurance coverage for the person making the payments.	Ranges from \$25 to full cost of tuition, fees, room and board; or the difference between total direct educational costs and other financial aid awarded.	Applications available in the Business Office
Veterans' Administration Benefits	Veterans eligibility is determined by when the veteran entered military service, length of duty and several other factors.	Amount varies depending on chapter and enrollment status.	Contact: Veterans' Administration Officer, Veterans' representative on campus or Veterans' Administration Regional Office
Bureau of Indian Affairs	Students who can prove they are at least one-fourth Indian blood.	Awards range from partial tuition to full tuition and fees.	Contact: Bureau of Indian Affairs, Higher Education Office, Federal Building Room 300, Muskogee, OK 74001
Vocational Rehabilitation		Awards range from \$25 to full tuition, fees, room and board.	Contact: Vocation Rehabilitation Office, 1609 East 20th, Joplin, MO 64801

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Policies and Regulations

Academic Standards: The student's academic progress will be determined in May of each year. However, if minimum standards of hours or grade point average are not met in the fall semester, the student automatically will be placed on financial probation for the spring semester. If satisfactory progress is made during the fall, but not during the spring semester, the student will be allowed one semester on probation to make up all deficiencies. After the probationary semester, grades will be checked and the number of courses will be verified to see if a minimum standard has been completed. If satisfactory progress is not maintained, the student will be placed on financial suspension until the required GPA is reached or course work is completed.

All financial aid recipients must meet the appropriate GPA as published in the College Catalog, (page 47, Standards of Progress Toward Graduation). After the second year, federal regulations require the student to have a cumulative "C" average or 2.0 GPA or, in cases where a higher GPA is required for graduation, the student must meet that higher GPA. Students receiving financial aid must meet federal guidelines. If the GPA falls below the minimum standard of progress, the student will be placed on probation.

The maximum time in which a student is eligible to receive financial assistance is as follows:

Maximum Semesters of Aid Eligibility				
Degree	Full-Time	3/4-Time	Half-Time	
Bachelor	12	18	24	
Associate	6	9	12	
Certificate	3	5	6	

Note: It is automatically assumed that students who do not indicate a degree program are pursuing a baccalaureate degree. All financial aid recipients must complete the appropriate number of hours depending on the categories in which they enroll and receive payment.

All financial aid recipients must complete the appropriate number of hours depending on the categories in which they enroll and receive payment.

Category Completed	Hours per Semester	Hours per year
Full-time	12 or more	21 hours per year
3/4-time	9 to 11	15 hours per year
Half-time	6 to 8	9 hours per year

Note: In calculating the minimum hours completed per year, the following will not be counted: incompletes, repetitions, non-credit remedial courses, audited courses and withdrawals. However, if withdrawal from a class results in a change in

categories, the originally required payment hours must be completed. If the minimum required hours are not completed, the student will be placed on probation. Students who fail to complete the minimum required hours during the academic year (fall and spring) or whose grades are below the minimum, may make up their deficiencies in summer school.

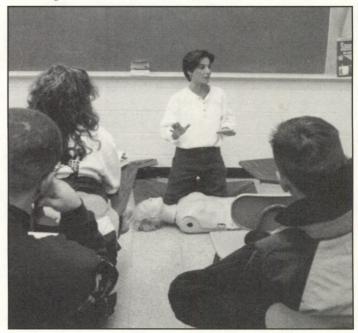
All aid will terminate immediately under the following situations:

- 1. withdrawal from all classes;
- failure to meet special requirements of academic progress imposed by the Financial Aid Committee;
- 3. default on any federally funded student loan or over payment of any Title IV funds; or
- 4. all "F" grades in a semester.

Appeal Procedures

Students may appeal the suspension of aid to the Director of Financial Aid. After reviewing the file, the Director may reinstate the aid if a course failure was due to medical circumstances, change of degree, change of major or circumstances beyond control.

If the Director denies the appeal, an appeal may be made to the Financial Aid Committee. The student must submit in writing an explanation of any special circumstances in addition to the ones listed that the committee should consider in determining whether any aid should be reinstated. After reviewing student records and written comments, the committee will give written notification of its decision. The notifica-



tion will state whether or not the aid should be continued and the requirements for reinstatement. The decision of the Financial Aid Committee is final.

It is assumed that transfer students are making satisfactory academic progress when they enroll at Missouri Southern. They will be evaluated at the end of their first full academic year.

Students may continue to receive assistance under the following mitigating circumstances: meeting standards or on probation under old policy, medical problems, change of degree objective, change of major or other extenuating circumstances. The Director will determine the validity of these circumstances, provided there is appropriate documentation. Under these circumstances, students need not go through the appeal process.

For further information concerning academic progress, see the Financial Aid Office Procedure Manual in the Financial Aid Office.

Other Duties and Responsibilities of Financial Aid Recipients

Students must report the following changes to the Financial Aid Office:

- 1. withdrawal from school,
- 2. a significant change in income,
- 3. added or dropped classes during the semester,
- 4. a name change,
- 5. change of address or change of parents' address,
- 6. transfer to another college.

Work Study recipients must contact the Student Employment Office for job placement within five days of the beginning of the semester.

Missouri Southern operates on a financial aid data base system which processes applications and awards electronically. It is to the applicant's advantage to use forms and lenders which are capable of processing data by teletransmission. The electronic system requires student signatures on student aid reports, documentation, award letters, loan applications and promissory notes before funds can be processed.

Financial aid funds will be credited to the student account. Once all fees have been satisfied, monies awarded that may go directly to the student will be mailed by check to the address provided at the time of registration. Checks are available at the end of the second week and thereafter every two weeks throughout the semester. Student employment and other checks must be picked up in person at the Business Office upon notification of their availability.

Veterans must sign up for veterans' benefits at the beginning of each semester.



Counseling Services

Dr. Linda Caldwell, Director Hearnes Hall 114H, 625-9324

The primary goal of Counseling Services is to promote the student's personal development and psychological well-being. Services are provided for individuals with educational academic, personal, and social concerns. Experienced professional staff members provide individual counseling for academic, career, and personal concerns as well as offer assessment, a variety of tests, inventories, and referral services.

The Counseling Center adheres to the American Counseling Association (ACA) and the American Psychological Association (APA) professional codes of ethics in providing all services. Such services are strictly confidential. No information will be released without the informed written consent of the client.

Academic Advisement

Students who have not declared an academic major area of study will be assigned an adviser from the staff in the Counseling Center. At the beginning of each semester, undeclared majors need to make an appointment with an adviser in the Counseling Center to discuss their academic plans. Later in the semester another appointment needs to be made to enroll for the next semester.

Career Counseling

Students who are uncertain of their major are encouraged to make an appointment with a career counselor to identify, understand and explore academic/career related concerns. Interest, ability, and personality inventories are available as well as a career library to assist in the career decision making process.

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The CHOICES Program, a computer based career guidance system, is also available and designed to assist students in clarifying values, assessing competencies and interests, making decisions, securing information on occupations, educational opportunities, and selecting appropriate career development strategies.

Testing Services

Missouri Southern is a national testing center for the following examinations:

- 1. ACT (Placement test for college entrance)
- 2. NTE (National Teachers Exam)
- 3. DHAT (Dental Hygiene Aptitude Test)
- 4. GED (General education development high school equivalency test)
- 5. MAT (Miller's Analogy Test for graduate school)
- 6. CLEP (College Level Examinations Program)
- 7. Michigan Test (English Language Proficiency)

The CLEP (College Level Examination Program) is administered by appointment. The student must contact the Counseling Center to register prior to the testing time/day. This program is designed to allow students to receive, upon attaining a passing grade, proficiency credit for core requirements and other freshman/sophomore programs.

The Counseling Center also provides proctors and a testing room for students taking correspondence courses from other accredited institutions. Appointments must be made prior to taking the test. A fee will be charged for each test administered.

All students whose native language is not English, who wish to transfer with 24 hours or more and do not have a TOEFL score of 535, may take, by appointment, the Michigan Test of English Language Proficiency. If proficiency on the Michigan Test is not achieved, the applicant must wait 60 days to retake the test. There is a charge for this test and a passport or green card is required for identification.

The Counseling Center also gives the GED (General Education Development High School Equivalency Test) as a service to the people of Southwest Missouri who were unable to complete their high school education. The person making an acceptable score on the GED test will receive a high school equivalency certificate from the Missouri State Department of Education. Applications for GED testing are available from the Counseling Center.

Non-Traditional Student Program

Students who have been out of school for several years often have unique concerns about returning to college. Workshops to ease the transition to college are offered periodically. A "Return To Learn" course is offered several times each semester as the orientation course for returning students.

College Orientation

Susan Craig, Coordinator Hearnes Hall 114, 625-9324

To assist all new students in the transition to college life, Southern has designed an orientation program to help them become acquainted with college services, facilities, and policies as well as to introduce helpful social and academic survival skills.

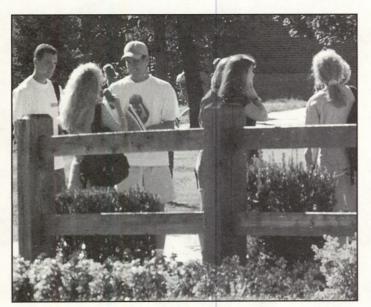
This eight-week course is offered each semester, including the summer. Special orientation courses are designed for transfer, honors, athlete, and non-traditional students. Career development, library skills, study skills, personal issues, and the assignment of an academic adviser are among the major objectives covered in this course.

The program operates in small group settings and is facilitated by peer leaders who have successfully completed a Leadership Training class. There is also a nine-day summer orientation/registration program called FRESH START. Designed for entering students, FRESH START incorporates the efforts of peer leaders as well as faculty advisers to assist in the registration for fall classes and the transition from high school to college.

Veteran Affairs

Veteran Affairs assists eligible students and dependents in their certification to receive VA educational benefits. The veteran student receives assistance in submitting the required VA forms, career/personal counseling, and tutorial services. In order for eligible students to receive VA educational benefits, they must be certified for each enrollment period and the Veteran Affairs Office in the Counseling Center notified of any changes in enrollment.





Other Services

Groups/Couples/Family: Groups are developed to provide a supportive structured environment to promote personal growth and skill development by focusing on particular concerns; such as, adjustment to college life, self-esteem, eating disorders and sexual abuse. Couples or families may work with a counselor in order to identify, understand and resolve personal and relationship difficulties.

Emergency: Crisis intervention is provided to deal with situations requiring immediate attention.

Outreach: Special programs and workshops designed to define and/or to prevent problems and to improve the quality of college life are presented. These offerings provide information, techniques, and skills relevant to specific topics of interest; such as, stress management, test anxiety, self-esteem, and building successful relationships.

Consultation and Referral: The Center's staff is available for consultation by the administration, faculty, staff, and students. The staff also will facilitate referrals to outside agencies and to professionals as needed.

Student Activities

Val Carlisle
Billingsly Student Center 102, 625-9346

The Coordinator of Student Activities works closely with other Student Services personnel and the Campus Activities Board in providing a variety of services for students, faculty and staff at Missouri Southern.

Campus activities are scheduled in the Student Activities Office and reservations for space in Billingsly Student Center

are made in this office. The office also houses the all-campus lost and found, oversees the 74 recognized student organizations, assists students in organizing or re-instituting student organizations, organizes and supervises Homecoming, and produces and promotes various special events. The Student Center Box Office, also supervised by Student Activities, handles ticket sales for both on-campus and off-campus activities and entertainment.

Campus Activities Board (CAB)

The Campus Activities Board, a student organization supported by student activity fees, has the responsibility for programming social, educational and recreational activities for the entire college community. Students may volunteer to serve on one of the eight CAB committees: concerts, cultural affairs, coffeehouse, dances, movies, speakers, special events, and tour and travel. Interested students may apply in the CAB office on the lower level of Billingsly Student Center.

Student Government

The Student Senate serves as the governing body for students and acts as a liaison between the faculty and the student body. The responsibility for student government rests not only with the student officers, boards and committees but also with each member of the student body. The Student Senate is made up of nine senators from each class, who are elected in the fall, and the executive officers, who are elected in the spring. The Student Senate is funded from student activity fees. Students wishing to speak with a Senate representative may do so via the Student Services Office on the second floor of the Student Center.

Intramurals

The Department of Intramurals offers team and individual athletic activities for Southern's students. Some of the sports in their fall and spring schedules include touch football, pingpong, 3-on-3 basketball, billiards, tennis, basketball, softball, golf, and volleyball. Information and sign-ups are available in the Pool-Racquetball Office, or by calling 625-9390.

Office of Career Services

Jennifer Yazell Billingsly Student Center 207, 625-9343

Career Services assists students and alumni in the development of employability skills necessary to conduct a successful job search and in the location of full-time employment. Seniors and alumni can take advantage of on-campus interviews with representatives from business, industry, government and educational institutions. Students are encouraged to visit the Office of Career Services to take advantage of oncampus interviews, job listings in the vacancy bulletin, Career Development Day, Education Job Fair, career success workshops, mock interviews, career advising, assistance in

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preparing resumes as well as many periodical and computer resources available in the career library.

Career Services is open Monday and Tuesday nights until 7:30 p.m. to better serve students and alumni.

Residence Halls

Deb Gipson, Coordinator for Student Housing Student Life Center, 659-4460 Billingsly Student Center 211, 625-9522

The Missouri Southern on-campus residence requirement is as follows: "All freshmen and sophomores under the age of 21, are required to live in the Missouri Southern residence halls to the extent space is available, unless they are married, live with their parents, live with a relative or are excused by the Dean of Students."

The College provides air conditioned residence hall accommodations and meals for approximately 500 full-time students. Concerned with the total needs of the students, the College maintains a safe and comfortable place to live and an adequate physical environment as well as opportunities for learning. The atmosphere in the residence halls contributes significantly to the students' personal growth and maturity.

The residence halls are staffed by two full-time professional resident directors and 18 paraprofessional staff assistants. The governing body for resident students is the Residence Hall Association (RHA) which provides educational, social and athletic programs for the students and acts as a liaison between resident students and the College administration.

Residence hall rooms are fully furnished except for linens and personal items. Cable TV, study lounges, recreational areas, personal computers, vending machines, coin-operated laundry facilities and free local telephone service with voice mail and individual access codes are in the residence halls.

To reserve a room in a college residence hall, a prospective student should request an Application Contract for Room and Board Accommodations from the Missouri Southern Residence Life Office. The completed Application Contract should be returned to this office with a \$100 security deposit. The deposit is retained by the College as long as the student is in residence and refunded upon termination of the contract if all terms of the contract are fulfilled.

This contract, which is a combined contract for room and meals, is effective for the entire academic year (fall and spring semesters) or for the remaining portion of the academic year if entered into after the beginning of the fall semester. Detailed terms will be found on the contract form.

The College is not responsible for the loss of or damage to, any personal property of students.

For detailed rules and regulations governing residence hall living at Missouri Southern, contact the Residence Life Office, Room 211, Billingsly Student Center.

Student Life Center

Deb Gipson, Coordinator for Student Housing Student Life Center 102, 625-4460

The Student Life Center, opened in the fall of 1996, is a state of the art facility focused on providing avenues for the social, recreational and physical development of Missouri Southern students. Located directly behind McCormick and Blaine Halls in the residence hall complex, the center has extended hours to better serve all students, both commuter and resident, plus faculty and staff.

Facilities include a large television lounge equipped with surround sound, a video game arcade, an aerobics room complete with setup for step aerobic and dance classes, a workout area supplied with a variety of cardiovascular and strength equipment, computer lab, laundry room, as well as table tennis, billiards, air hockey, game tables and a study area. Most areas are available for reservation by MSSC student organizations. A centralized mailroom and office provides mail for resident students, and a variety of services for all students.

Future plans include the completion of the dual phase project which will see the relocation of the college cafeteria to a second floor in the Student Life Center.

For more information regarding the center's hours of operation, programs and policies governing the use of the facility, contact the Student Life Center Office, Room 102, Student Life Center.

Food Service

Robert Buckley, Director of Food Service *BSC 206, 625-9546*

Food service is bid by the College and handled by a professional food service company. The cafeteria operates on funds received from board payments and cash sales of individual meals.

All residence hall students must contract for board. Board contract includes a 20-meals per week program. Individual meals feature salad bar and unlimited servings, including entrees.

Commuter student who are interested in taking some or all of their meals at the college cafeteria may purchase 20-meal tickets in Business Office. Also, separate breakfast, lunch or dinner tickets are available in the Food Service Office at a much reduced price compared to buying meals separately.

The Lion's Den snack bar also serves breakfast and lunch on a cash basis only Monday through Friday.

Student Health Services

Julia Foster, R.N. Kuhn Hall 306, 625-9323

The Student Health Center, is staffed with a full-time registered nurse, a full-time and a part-time nurse practitioner, and a physician who holds clinics daily on campus. Appointments to see the nurse or the physician Monday through Friday from 8 a.m. to 4 p.m. can be made by contacting the Student Health Center. All currently enrolled students are eligible for treatment at the Center. Some of the services offered are: first aid and injury care, allergy injections, TB skin testing, flu shots (in season) and screening for certain illnesses. Most services are free; however, students are expected to pay for laboratory, xray, emergency room, hospital services, gynecological, STD, prescriptions and ambulance service. The Health Center maintains files on current students, including medical history and immunization records. Recommendation and referral to community or campus resources are also part of student health services.

A voluntary accident and sickness insurance plan for students is available from the Student Services Office, Room 211, Billingsly Student Center.

Communicable Diseases

Students must have proof of immunization, including two doses of measles/rubella vaccine, on file in the Student Health Center. When a communicable disease comes to the attention of the College, whether student, faculty or staff member, the College's physician and nurse will assume responsibility for conducting a thorough review based upon the best medical and legal information available. Students who have not been properly immunized or who have not had these diseases may be banned from College property in the event of an outbreak on campus. Any actions taken will respect the confidentiality of the individual as well as the individual's welfare and that of the College community.

Smoking and Tobacco Use Policy

The Board of Regents of Missouri Southern State College prohibits smoking and tobacco use of any kind. Tobacco products are not permitted in any campus buildings. Smoking and other tobacco usage is permitted only outside of buildings.

Intercollegiate Athletics

Jim Frazier, Men's Director Young Gymnasium 122, 625-9317

Sallie Beard, Women's Director Young Gymnasium 215, 625-9316

Missouri Southern's athletic program is based on the concept that intercollegiate athletics are an integral part of the total educational process, subject to the same aims, policies and objectives as other departments. The College's sound athletic program provides the benefits of athletic participation while assuring that athletes fulfill their responsibility as students. Though the primary concern is that the athletic program further the educational process, the College must be aware of the public attention that focuses on the institution through intercollegiate sports. While the public attention and the entertainment aspects of intercollegiate sports must be recognized, they are secondary in importance to the role of athletics in the total educational program.

The staff of the athletic department provides quality programs for students who express an interest in various sports. Male and female students have similar opportunities to participate in athletic activities with appropriate support.

The College is a member of the Mid-America Intercollegiate Athletic Association and the National Collegiate Athletic Association, Division II. College teams compete on the intercollegiate level in baseball, basketball, football, golf, soccer, softball, tennis, volleyball, cross country and track.

Student Conduct

In order to provide the best possible environment for personal and intellectual growth, the College has established regulations to guide student conduct. A summary of these rules and regulations is found in the Student Handbook which may be obtained from the Student Services Central Office, Room 211, Billingsly Student Center.

Drug and Alcohol Prevention Program

Pursuant to the Drug-Free Schools and Communities Act Amendments of 1989, Missouri Southern State College is required to establish a drug and alcohol prevention program for its students. The College's program is described below. A biennial review of this program will be done to determine its effectiveness, to implement changes to the program if they are needed and to ensure that the College's disciplinary sanctions are consistently enforced.

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Substance Abuse Policy: Students are prohibited from using alcoholic beverages and illegal drugs on College-owned or controlled property and at College-sponsored or supervised activities. Irresponsible alcohol or other drug use off campus resulting in disorderly conduct on campus also is not acceptable. Any student of Missouri Southern State College found to have manufactured, dispensed, possessed or used a controlled substance in violation of the Substance Abuse Policy of this College will be subject to discipline in accordance with College policy and reported to local, state or federal law enforcement authorities for criminal prosecution. Criminal prosecution for these acts could lead to a conviction and such a conviction could result in a sentence imposing a monetary fine, imprisonment in a state or federal penitentiary or both.

Health Risks: Specific serious health risks are associated with the use of illicit drugs and alcohol. Some of the major risks:

Alcohol and other depressants (barbiturates, sedatives and tranquilizers): addiction, accidents as a result of impaired ability and judgment, overdose when used with other depressants, damage to a developing fetus, heart and liver damage.

Marijuana: addiction, panic reaction; impaired short-term memory; increased risk of lung cancer and emphysema, particularly in cigarette smokers; impairment of driving ability.

Cocaine: addition, heart attack, seizures, lung damage, severe depression, paranoia, psychosis. Similar risks are associated with other stimulants, such as speed and uppers.

Hallucinogens (acid, LSD, PCP, MDMA, etc): unpredictable behavior, emotional instability, violent behavior, organic brain damage in heavy users, convulsions, coma.

Narcotics (heroin, Demeral, morphine, Codeine, etc.): addiction, accidental overdose, risk of hepatitis and AIDS from contaminated needles.

Inhalants (gas, aerosols, glue, nitrites, etc.): loss of consciousness, suffocation, damage to brain and central nervous system, sudden death, nausea and vomiting, nosebleeds, impaired judgment.

Resources: A variety of resources exist for drug or alcohol counseling, treatment or rehabilitation programs. A few are listed inside the front of the *Student Handbook*. For more detailed information concerning these resources and others available from the College and/or community agencies, students may contact the Counseling Center (417-625-9595) or the Student Services Office (417-625-9392). Such referrals will respect individual confidentiality.

A main objective of the drug and alcohol prevention program is to encourage healthy attitudes and behaviors on the part of all students and responsible decisions about alcohol/drug use. Another objective is to provide students in certain high risk groups (freshman, Greeks, athletes, residence hall students, etc.) with specific and up-to-date information regarding the long-and-short-term effects of alcohol/drug use. A final objective is to provide students with the necessary skills to help them carry out the decisions they have made in regard to their use or nonuse of alcohol/drugs, and how to effectively handle certain "high pressure" situations.

To meet the above objectives, information and assistance is provided to students in several ways. First, alcohol and drug films are shown and programs conducted in all orientation classes, which are required for all new students. Additional alcohol and drug information is presented in other academic classes, including Kine 103, Lifetime Wellness. Pamphlets about alcohol and drug use are distributed each semester in residence hall rooms and in the Student Center. Special alcohol and drug training is provided annually for residence hall staff and orientation leaders.

The athletic department provides a program for varsity athletes. Special alcohol and drug programs are presented throughout the year. Active drug testing is done. A committee of counselors, teachers and clergy are available to assist varsity athletes.

The Student Services Office, Campus Activities Board and the Residence Hall Association provide alcohol and drug programs throughout the year for all students.

Sexual Harassment Policy

Missouri Southern State College is committed to the principles of equal opportunity and does not discriminate on the basis of race, age, sex, religion, national origin or handicap. The U.S. Equal Employment Opportunity Commission has issued guidelines: It is the policy of Missouri Southern State College that no member of the campus community may sexually harass another individual. Sexual harassment defined as the use of one's authority or power to coerce another into unwanted sexual relations or to punish another for his/her refusal, or the creation by a member of the college community of an intimidating, hostile or offensive working education environment through repetitive verbal or physical conduct of a sexual nature, shall be a violation.

Any student with a sexual harassment complaint may contact the Dean of Students. If, after an informal investigation, the matter is not resolved, the student may resort to the regular grievance procedure.

Campus Security Act Policies and Procedures

- 1. All campus crimes should be reported immediately to Campus Security. Campus security officers are available on campus 24 hours of every day. The number to call for on-campus personnel is extension 2222. Off-campus personnel should call 626-2222 during the weekday office hours of 7:00 a.m.-4:00 p.m., after hours, weekends and holidays. This will contact the security officer on duty directly via cellular phone. Each call will be responded to by a campus security officer.
- 2. All academic buildings are locked each evening and during the weekends. One security officer makes nightly rounds, using a computerized security key system. All residence halls, except Blaine Hall are locked at midnight Sunday-Thursday and 2:00 a.m. on Friday and Saturday. Individual keys are issued to each resident student. Another security officer is on duty in the residence hall area from 11:00 p.m. to 7:00 a.m. each day.
- 3. The Security Department personnel are not commissioned law enforcement officers. However, each officer has completed the coursework necessary to meet the state requirements to be commissioned. There is an excellent working relationship between the department and the city and county law enforcement agencies. All employees and students are directed to report all occurrences of any criminal activity to the Campus Security. Campus Security is directed to report all felonies to the Joplin Police Department.

- 4. These policies and procedures are published in the *Student Handbook* which is distributed to all freshmen students. Each semester during freshman orientation, seminars are given covering date rape, safety tips and security procedures.
- 5. Crime prevention programs are presented each semester by the Campus Activities Board, Student Services and Residence Hall Association. Pamphlets regarding crime prevention are distributed to all resident students and are made available to all students in the Student Center.
- 6. MSSC does not have off-campus student organizations recognized by the institution.
- Crime statistics are available in the Campus Security Office.

Student Identification Cards

The student identification card is produced by the College and issued to all students as a means of personal identification. The College reserves the right to request a student to produce the I.D. card at any time deemed necessary. The student I.D. is a service to students currently enrolled who wish to use college facilities and services. The first student I.D. costs \$2.00; replacement cost for lost cards is \$5.00. Student I.D. cards may be obtained at the Campus Security Office.



Spiva Library The Honors Program Summer Study at Oxford Career Services (See pg. 27) College Orientation (See pg. 26) Continuing Education Counseling Center (See pg. 25) The Learning Center **Assessment Center Writing Program Grants Office** Admission Core Curriculum **Baccalaureate Degree Associate Degree Academic Regulations Grading Policy Academic Standards**

Academic Affairs

Vice President for Academic Affairs Erik J. Bitterbaum Hearnes Hall 200, 625-9394

Staff: J. Larry Martin, Dean, School of Arts and Sciences; James M. Gray, Dean, School of Business Administration; Michael J. Horvath, Dean, School of Education; Jack G. Spurlin, Dean, School of Technology; Nadine P. Schmidt, Assistant to the Vice President/Grants Writer; R. Jerry Williams, Director of Continuing Education; Charles H. Kemp, Head Librarian; To be announced, Registrar; Delores A. Honey, Director of Center for Assessment and Institutional Research; Eillen A. Godsey, Director of the Learning Center; Elaine Freeman, Director of Special Programs; David (Lanny) Ackiss, Director of Honors Program; Pat P. Kluthe, Assistant Director of Honors Program; To Be Announced, Director of Admissions; Linda S. Caldwell, Director of Counseling; Jennifer Yazell, Director of Career Services

The Office of the Vice President for Academic Affairs is responsible for the administration of the instructional program both on and off campus. The Learning Center, the Honors Program, the Continuing Education Office, the Writing Program, the Assessment and Institutional Research Office, the Library, the Grant's Office, Registrar's Office, Admissions Office, Counseling Center, Career Services and all academic units are under its direction.

The George A. Spiva Library

Charles H. Kemp, Head Librarian Spiva Library 205, 625-9386

Librarians: Robert Black, Mary Lou Dove, Susan Huston, Charles Nodler, Gaye Pate and Edward Wuch.

The Library consists of two units:

- 1. George A. Spiva Library
- 2. The Audio-Visual Center

The George A. Spiva Library

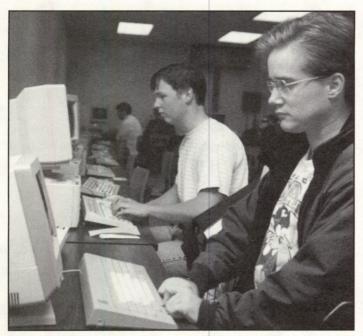
The Spiva Library is the major information resource on campus. Available in the Library for student use are 241,000 book volumes and 1,177 periodical titles. A state and federal government documents collection; a law library; and a 614,366 item microform collection provide additional reference materials for student research. Additional collections housed in the archive's area are the Congressional Papers of former member of the United States House of Representatives, Gene Taylor, tri-state mining maps, and the papers of the late Dr. Arrell Gibson, a noted Western historian.

The collections are housed in an attractive facility constructed in 1967. There have been three renovations of the building since then. The current renovation includes an elevator that provides easy access to all floors of the library. The staff is composed of seven librarians, 13 support staff members and part-time student staff members. The Library is open from 7:30 a.m. until 11:00 p.m., Monday through Friday. On the weekends, the hours are from 9 a.m. until 11 p.m. on Saturday and from 2 p.m. until 10 p.m. on Sunday. The service week of 99.5 hours exceeds that of many academic libraries.

The teaching function of the library is important, as it should be in a college that prizes excellence in the intellectual development of its students. Every effort is made to ensure that students learn how to conduct research in the library effectively and to use information resources knowledgeably. Tours of the library are given by librarians and student guides. Workshops, class lectures and additional assistance are provided by librarians. The library staff also teach library patrons how to use computer information sources and assist them with research and information needs.

Modern technology is used heavily in the library. Interlibrary loan requests are sent and received through a nationwide computer network of libraries. Locations of requested materials can be determined in minutes through the OCLC Network which has a database of over 34 million records in over 21,000 member libraries. A telefacsimile machine service is used to rapidly send and receive copies of periodical articles. New services through the INTERNET allow students and faculty members access to hundreds of library catalogs, discussion groups, listservs, and additional databases. EBSCOHOST is a service over the INTERNET which indexes 3,000 periodicals. 1,000 of these are fulltext which can be





read on the screen, downloaded to a file or printed on a local printer. Ariel is a system of faxing documents via the INTERNET between libraries and adds to the library's ability to provide journal articles in a timely manner.

All functions of the library are automated. Students at home or professors in their offices can call in using modems and determine what materials the library has. A useful feature of the system indicates whether a book or journal is checked out. The LION, the library's on-line public access catalog, displays periodical indexing for selected H. W. Wilson indexing services. Besides the modern OPAC, students and faculty members enjoy automated circulation with no-wait checkout of library materials.

The compact disk technology has made retrieval of subject matter in periodicals so easy that it has become the preferred method for students. The major indexes in business, education, social science, history, psychology, English, biology and nursing are available in the CD-ROM format. Newsbank, The Grolier Encyclopedia and the Oxford English Dictionary are a few of the formerly print-only reference materials used in the CD-ROM format by Spiva Library patrons. Specialized indexes are available through on-line searching services like DIALOG. The reference staff conduct these searches for students or faculty members at no charge. This information service provides access to several hundred additional databases. Additional information sources are available via the INTERNET. This access is open to all students and faculty members.

The library has even gone beyond indexes and can furnish the full text of articles found in the indexes in CD-ROM format for two of the databases. After searching ABI/INFORMor General Periodicals Index, a student can insert a CD-ROM in the

player and either read the full article on the screen or print a copy on the laser printer. With these information sources at their disposal and the ever increasing availability of information through the INTERNET, students at Missouri Southern never lack for information for research papers. With a proposal for two major renovations being considered, the future is bright for the Spiva Library.

The Audio Visual Center

Located on the top floor of the Spiva Library are the government documents collection and the Audio Visual Center. The AVC is the audio-visual materials component of the Spiva Library. These materials include video and audio tape materials, films, slides, kits and miscellaneous instructional materials. Curriculum textbooks, curriculum guides on microfiche, juvenile and children's books that support the teacher training curriculum are housed in this area. Materials in this area are cataloged and indexed in the LION. The AVC provides appropriate playback equipment for all the materials.

The AVC staff provides limited production services like making overhead transparencies, laminating materials and copying audio-tapes. Computer services include access to word processing, database management, and programming languages. Students access computer services through a local area network of 486 DX workstations. A expansion of the lab allows access to library CD-ROMs from the library LAN and other LANS on campus. Students have access to the INTERNET and other LANs on campus from the library. The AVC has an inventory of slide projectors, video cassette recorders and monitors, audio cassette recorders and filmstrip projectors for checkout. Equipment is housed in each school and department, so the AVC equipment is limited to basic items. Helpful staff is stationed in this area to provide assistance with the computers, government documents, or audio-visual materials.

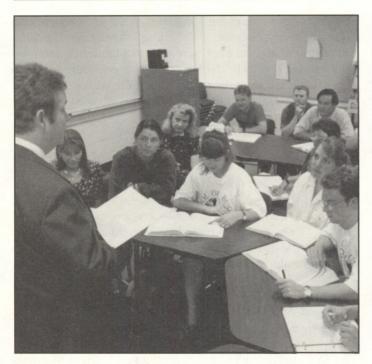
The Honors Program

David L. Ackiss, Director Patricia P. Kluthe, Assistant Director Webster Hall 118, 625-3005

The Honors Program at Missouri Southern State College is intended to encourage academic excellence by providing special opportunities and challenges for exceptional students.

Entrance into the program is by invitation. Because admission is selective and competitive, classes normally are smaller than regular classes, permitting Honors students to enjoy interaction with other outstanding students in an informal atmosphere conducive to exciting and challenging discussions.

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Honors courses put our best students in small classes with our best teachers – right from freshman year on. Distinguished professors and Honors students have opportunities to expand the educational experience beyond that available in regular courses. Students receive personal attention and special guidance, and the program is flexible to permit them to pursue particular scholarly interests and to engage in innovative and creative approaches to learning.

Expectations for performance in the program are high. As an Honors student, one is expected to strive for grades against these standards; one is not, however, expected to compete with others for grades. Through this program, the challenge to perform at the top of one's ability is matched by the opportunity to do so in an environment that is simultaneously fun, exciting and intellectually demanding.

The Curriculum

While students will take courses offered in Southern's regular curriculum, these five features are specifically designed for Honors students:

Honors Forum

This course is an open forum to discuss a variety of topics, issues and other matters of interest to Honors students. Active learning is nurtured as students select, design and implement topic presentations.

Core Curriculum Courses

Special sections of required courses such as English composition are designated as Honors sections. There are a number of such courses to select from each semester, and most Honors students take these during their freshman and sophomore years.

Junior Honors Courses

These are interdisciplinary seminars on a variety of special topics not normally covered in the regular college curriculum. You will have the opportunity to develop seminar presentations on topics you devise with the instructor's help.

Senior Honors Courses

Students take at least one Honors course in their major during the senior year. Working under professors in their major field, they design and carry out independent projects investigating in-depth topics that interest them.

Honors Senior Colloquium

Based on the Senior Honors Course, each student makes a presentation on that course content or course experiences to an Honors Colloquium open to a campus-wide audience. The presentation is required of each student for completion of the Honors Program.

Honors Recognition

Missouri Southern is affiliated with the National Collegiate Honors Council, The Great Plains Regional Honors Council, and Phi Eta Sigma and Alpha Chi, national honor societies. Most Honors students have the opportunity to participate in the activities of these organizations and to attend regional and national conferences.

Every Honors course one completes with a final grade of A or B is identified as an Honors course on one's transcript. If one maintains a cumulative grade point average of at least 3.5 and completes 26 hours of Honors courses, one will receive special recognition at graduation.

Oxford Program

To live and study at historic Christ Church College of Oxford University is perhaps the experience of a lifetime. Southern offers an elective summer study program in England at Oxford, one of the world's foremost universities. Students participate in small seminar groups led by Oxford University tutors and live in an atmosphere of Oxford college life as it has survived over the past 700 years.

A select group of students have the opportunity to participate based on their advanced academic standing for hours accumulated and grade average. Qualified students select courses offered in three-week sessions on various subjects. Southern grants partial scholarships to some students each year. Honors Program students are given priority consideration in the selection process.

There is also time for students to enjoy the rich heritage of England through formal tours and individual excursions. A great opportunity awaits those selected to be members of this distinguished community of scholars and participants in the Oxford experience.

The Evans Scholarship

In competing for admission to the Honors Program, students also are competing for the Walter and Fredrica Evans Scholarship, which will be awarded as funds allow to the most highly qualified applicants. The Evans is a four-year renewable scholarship that covers tuition, book rental fees and student activity fees, for fall, spring and summer semesters. Additional scholarship funds to cover on-campus room and board are available for Evans Scholars who are National Merit Scholarship semifinalists or who have an ACT Composite score of 31 or better. This is the finest scholarship Southern offers.

Eligibility

All students who wish to participate in the Honors Program must be admitted to Southern. Incoming freshmen with at least a composite score on the ACT of 28 or with at least a grade point average of 3.5 (on a 4.0 scale) in high school course work are invited to apply for admission to the program. Two letters of recommendation, from the student's high school principal and from a high school teacher, an essay and an interview with the Director of the Honors Program may also be required.

Students who have already completed between 15 and 30 hours of course work with a grade point average of 3.5 at Southern or any other accredited college or university are also invited to apply for admission into the program, though they are not eligible for the Evans Scholarship.

The Honors Program will offer special admission to Missouri's associate degree graduates who hold the CBHE Bright Flight Scholarship. Those with a least a 3.5 GPA will be eligible for a scholarship that covers the full cost of tuition, room and board, activities, fees and textbook rental. Those with a 3.0 GPA will be eligible for a scholarship equivalent to our Regent's Scholarship.

The Division of Continuing Education

R. Jerry Williams, Director Webster Hall 117, 625-9368

Staff: Wendell McAdams

The Division of Continuing Education embraces the life-long learning concept by providing credit and non-credit courses that supplement the college curriculum. Over 34,000 students have enjoyed learning opportunities in a wide range of academic and non-academic subjects.

The Division also is responsible for distance education programs offering courses off the main campus. Delivery systems

include customized training provided at business and industrial sites, video tape correspondence courses and courses offered through the college television broadcast station and microwave system. Numerous seminars and workshops are also offered through the Division of Continuing Education for professional continuing education credit and personal self enrichment.

Information concerning various programs may be obtained by contacting the Division of Continuing Education located in Webster Hall Room 117.

The Learning Center

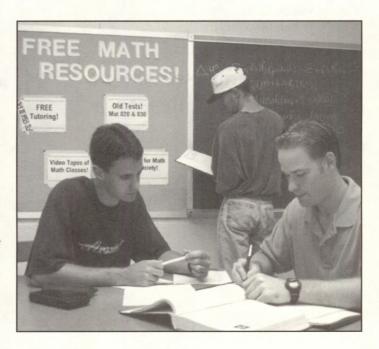
Eillen Godsey, Director Mansion Classroom Building, 625-9373

Staff: James Brown, Jan Holmes, Melissa Anne Zenon

The mission of the Learning Center is to provide a wide range of academic support programs to students and faculty. Learning Center staff are available to assist any MSSC student to become a more independent and efficient learner. All services are free.

Tutoring in Content Areas – Peer and faculty tutors are available. Some drop-in tutoring is offered, although an appointment is recommended. Both short- and long-term assistance is provided.

Writing Lab Services – Trained peer tutors instruct and coach students in all aspects of writing, such as writing process strategies, research paper documentation, and correct mechanics.



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Computer Lab – The Learning Center offers a networked computer lab with both DOS and Windows word-processing programs. Students may work on individual assignments or use the Center's software.

Services for Students with Disabilities – The Learning Center provides support services to students with disabilities:

- Early Registration
- Books on Tape
- Tutoring
- Alternative Testing

Support services are elective and must be requested by the student. Appropriate documentation must be provided.

Audio/Visual and Computer Assisted Instructional

Resources – Tapes are on reserve in the Center and may be viewed in the Center or checked out. The collection includes faculty created study guides and practice tests, taped classes, practice drills in grammar and punctuation, national exam guides, as well as other academic support materials.

Classes

English 080 – Prepares students for college writing courses. Students write at least six major papers with special attention given to organization, syntax, grammar, and mechanics.

Academic Skills for College Success – Emphasizes current issues to improve vocabulary, comprehension and critical reading ability.

Speed Reading — Increases reading speed.

Workshops

- Word Processing
- Study Skills
- Exam Preparation

The Center for Assessment and Institutional Research

Delores A. Honey, Director Matthews Hall 321, 625-9696

Missouri Southern is committed to the measuring of outcomes of curricular programs. Both the Core Curriculum and the major are assessed each year. Federal, state and local reports of institutional data are prepared and archived in this Center.

The Writing Program

Joseph Lambert, Director Hearnes Hall 314, 625-9784

Each student is required to complete five writing intensive courses as a part of the baccalaureate degree. The director and a faculty committee advise the Vice President for Academic Affairs on the development and supervision of the program.

The Grants Office

Nadine P. Schmidt, Grants Writer Hearnes Hall 200, 625-9555

The Grants Office seeks out new sources of funding to enhance the College's ability to pursue its academic and student service goals. These grant-related funds supplement the College's tuition and state revenues, creating opportunities for programs, services, and equipment that might not otherwise be possible. Working closely with all areas of the college, the Grants Office writes a number of grants and proposals for funding each year for submission to federal and state grant programs, as well as to private foundations and corporations.

International Student Exchange Program (ISEP)

Nadine P. Schmidt Hearnes Hall 200, 625-9555

Missouri Southern students have many exciting opportunities to study in other countries. The College is a member of the International Student Exchange Program (ISEP) through which MSSC students can study and earn credit at more than 100 colleges and universities around the world. For semester or year-long exchanges, MSSC students in the ISEP program pay regular MSSC tuition and room/board fees in U.S. currency, and financial aid is applicable.

Students should contact the Institute of International Studies for information on study abroad and exchange opportunities outside the ISEP program.

Admission

Derek Skaggs, Director of Enrollment Services Hearnes Hall 109, 625-9378

Staff: Clay Deem, Robin Hicklin, Mary Adamson, Lola May

Admission decisions are based on current admission policies established by the Board of Regents and are made in accordance with the recommendations of the Coordinating Board of Higher Education. Students are encouraged to apply for admission early. Applications are available through the Admission Office and most high schools and community colleges. Admission requirements are subject to change without notice. Missouri Southern State College encourages students from private, home schooling and non-accredited high schools to contact the Admission Office for details on how to be accepted into Missouri Southern.

Regular Admission for 1997-98

Students who have graduated from a state approved high school or possess its recognized high school equivalent (GED) will be admitted if:

- 1. they rank in the upper one-half of their high school graduating class; or
- 2. they have a composite score of 18 or above on the ACT test.

Applicants whose ACT scores and class rank are below those stated above may request a review.

Core Curriculum Requirement

The College encourages high school students to follow the core curriculum requirements outlined by the Missouri Coordinating Board of Higher Education. The core includes:

- English, 4 units. Two units emphasizing composition or writing skills are required. One unit may be speech or debate.
- Mathematics, 3 units. The units must include Algebra I, Algebra II and Geometry. A fourth higher level mathematics course is strongly recommended.
- **Social Studies, 3 units.** Courses should include United States history and courses selected from world history, government, geography and economics.
- **Science, 2 units.** General Science does not count. One unit must include a laboratory. Biology, physics and chemistry are strongly recommended.
- **Visual/Performing Arts, 1 unit.** Fine Arts courses include such areas as visual arts, music, dance or theatre.

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The College strongly recommends the completion of 16 core units for admission in the fall of 1997.

Admission requirements are subject to change without notice.

Admission Review Committee Individuals who do not meet the College's admission criteria may request a review of their application. The committee may make one of three decisions: grant regular admission, deny admission or admit as a special student.

Students With Previous College Experience

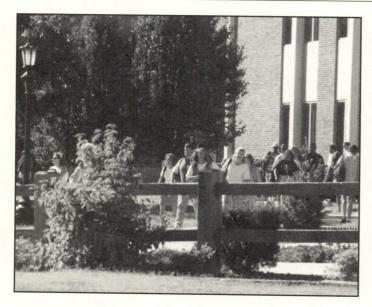
Former MSSC Students: Former Missouri Southern State College, Jasper County Junior College and Joplin Junior College students must inform the Office of Admission of their intention to return. When necessary, these students will be required to update their credentials.

Transfer Students: (Students who are enrolling at MSSC for the first time) Credits will be accepted from a two-year college to meet lower division (freshmen and sophomores, 100-200-level course) requirements. A total of 64 semester hours of credit earned at a two-year college is the maximum that may be applied toward a baccalaureate degree. A minimum of 64 semester hours must be earned in a senior college to obtain the baccalaureate degree from Missouri Southern.

The following credentials must be submitted to the Director of Admission:

- an official transcript from previously attended institutions sent directly to the Director of Admission;
- 2. be eligible to return to last institution attended;
- 3. pay \$15 non-refundable application fee; and
- 4. submit ACT scores if English or mathematics have not been completed or are seeking a degree in education.

Transfer students who have completed a college transfer curriculum and have been awarded an associate of arts degree from an accredited public two year college in Missouri, prior to enrolling in Missouri Southern, are assumed to have fulfilled the lower division Core Curriculum requirements. Students will be directed immediately into their major area according to their preparation. Transfer students who have not completed the associate of arts as stated above will have their courses evaluated individually.



Transfer students seeking admission to Missouri Southern State College from colleges or universities not accredited by a regional association may be given full recognition for their credits earned when the credit is appropriate to the student's degree programs and after Missouri Southern State College has validated the courses. Applicants must meet the following conditions:

- 1. the student must be in good standing at the institution from which they are transferring, and
- 2. the student must have a cumulative grade-point average of 2.00 or higher (on a 4.00 scale) for all work attempted.

Any transfer student falling below a 2.0 GPA but above the College's standards of progress may be considered for admission on probation.

Transfer students must take a minimum of 30 of the last 36 semester hours for the baccalaureate degree in residence at Missouri Southern.

Transient Students: Students in good standing at other colleges and universities may wish to enroll at Missouri Southern for the purpose of transferring back to their institutions the credit earned. Admission requires completion of the application form, payment of the \$15 non-refundable application fee and a statement of good standing from the authorized college official or Registrar of the student's home college or university. Students wishing to continue course work at Missouri Southern State College must meet admission criteria.

International Students: International students not citizens of the United States who wish to apply for admission should write the Director of Admission for the proper application forms and instructions. In addition to the admission credentials required of all students on page 38, international students must satisfy these concerns: (a) academic competency, (b) ability to read and speak the English language adequately for college level

study, and (c) ability to finance the cost of education at Missouri Southern. All applicants from non-English speaking nations must score in the 75th percentile on the Michigan Test for English as a Foreign Language or score 535 on the TOEFL Test. Deadlines for completed application for admission are:

Freshman

Fall Semester–July 1 Spring Semester–November 1 Summer Semester–April 1

Transfer

Fall Semester–July 10 Spring Semester–January 2 Summer Semester–May 25

Students who are citizens of the United States and use English as a second language must pass English language competency. A TOEFL test score of 535 or a score in the 75th percentile on the Michigan Test is required of these students.

Dual Credit: The Missouri Department of Elementary and Secondary Education has authorized Missouri Public High Schools and Missouri Public Colleges and Universities to grant dual credit to high school students simultaneously enrolled in college and high school. Missouri Southern is pleased to participate in this program. Admission to courses for dual credit is selective, and is subject to specific conditions. Additional information may be obtained from the Office of the Vice President for Academic Affairs.

Credit-in-Escrow: The credit-in-escrow program consists of college studies for outstanding high school students who have completed their junior year. They must have a 3.0 GPA and the approval and recommendation of their high school principal. A high school transcript is required with the application.

Credentials Required for Admission

Regular Admission

- (1) **High School Transcript:** An official transcript of high school credits must be filed showing that requirements for graduation have been met. A 6th, 7th or 8th semester rank in class must appear on the record. (The College will accept a satisfactory score on the General Educational Development (GED) test in lieu of a high school transcript.)
- (2) Placement Test: Missouri Southern participates in the American College Testing Program (ACT). Scores from the enhanced battery must be presented as an admission credential. These tests are administered at nationally approved test centers five times a year. Missouri Southern is a test center.
- (3) **Application:** The application for admission must be completed one week before the first day of enrollment (see college calendar on page 14). This includes all credentials required by the Admission Office.

- (4) **Application Fee:** A fee of \$15 must be included with the application for admission. (This fee is non-refundable and non-applicable to other college fees.)
- (5) Miscellaneous Requirements: Additional credentials are required from students whose application credentials raise questions about their acceptability into the student body. While the College makes every effort to give each applicant an opportunity for a college education, it reserves the right to deny admission when the College's ability to meet the need of the student and/or the welfare of the student body is in question. Students who do not attend Missouri Southern within one year after making application must submit new credentials when seeking admission.

Admission to Selective Programs

The Health Sciences (nursing, dental hygiene and radiologic technology): Admission to Missouri Southern does not automatically confer admission to the programs of nursing, dental hygiene, radiologic technology. In addition to meeting the admission requirements for the College, candidates who are interested in these health career programs are required to apply for admission to the department. Application forms may be obtained from the department of nursing office, Kuhn Hall; the dental hygiene department office, Ummel Technology Building; or the radiology department of St. John's Regional Medical Center. Applications should be submitted prior to March 1, preceding the fall semester in which the student wishes to enroll. Each application is reviewed by the Admission Committee of the respective department. See nursing department page 184, dental hygiene department page 179 or radiologic technology page 189 under affiliated programs for full information on admission and acceptance criteria.

Honors Program: This program is intended to encourage academic excellence by providing special opportunities and challenges for exceptional students. Entrance into the program is by invitation. Interested students should write the Director of Honors Program for an application form. (Page 35)

Special Admission

A students who wishes to enroll in college but does not meet regular admission requirements may be permitted to enroll in classes as a non-degree seeking student. College hours completed in this status cannot be until the student meets regular college admission criteria. Special admission classification is not eligible for financial aid.

Students who possess a high school diploma or GED may request reclassification by:

- 1. Meeting all of the College's admission criteria, or
- 2. successfully completing 21 hours with a 2.0 GPA.

Individuals without a diploma or GED must complete 59 hours with a 2.0 GPA before a request for reclassification can be considered.

Continuing Education

Televised and Distance Learning Courses

Regular college curriculum courses are offered by the Division of Continuing Education through a variety of means including in-home cable, extension sites, Internet, and video tape. Students initially enrolling in these courses are categorized as either *special or temporary* unless they have completed the regular student admission process.

Continuing Education Credit Hour Courses

A variety of courses in this listing are offered both on and offcampus that meet the qualifications for receiving college credit dependent upon the student's major and school. Courses within this category are generally designed for serving the needs of community betterment and professional development. Students enrolling in these courses will need to check with their school Dean and adviser to receive permission to petition the course for academic credit. Students will be considered as either *special* or *temporary* unless they have completed the regular student admission process.

Non Credit Courses

The College offers a number of courses designed primarily for the individual's personal enrichment or job training that do not carry academic credit. Students enrolling in non-credit courses are not given a student status through the Admission Office.

Return to Learn: Adult students can and do face problems and situations unique to their age group. These may include having families to support, needing child care, feeling alone in their age group and being uncertain of their abilities. This program is designed to prepare adult learners to continue their education with confidence. These students will be admitted under the "special" category listed above.

60 Plus: This program is designed to serve interested individuals over the age of 59. Community residents may enroll in a course on a space-available basis without providing previous transcripts. Compliance with course prerequisites is necessary and is the student's responsibility. Enrollment takes place at the same time as regular student enrollment. Information concerning enrollment times, reduced fees and tuition costs can be found in the college schedule. A student may elect to receive a grade and credit for their course or they may audit the course with the permission of the instructor. If a student desires to become a regular student, he or she must make application to Missouri Southern for future semesters.

42 / Degree Requirements



Placement, Examinations, Credits

Resident Credits from Institutions of Equal Standing with Missouri Southern State College

Credits transferred from accredited colleges and universities will be given full value in similar courses whenever possible. The amount of credit given for courses studied in other institutions may not exceed the amount given at Missouri Southern for the same length of time of instruction. Students may not transfer credits to satisfy more than one half of the major course requirements in a department unless the approval of the Vice President for Academic Affairs is obtained.

Advanced Standing Examination

A student whose travel, employment, extensive readings or other unique educational experiences appear to have provided proficiency in a course required in the curriculum equivalent to that ordinarily attained by those taking the course in regular classes, may be granted permission to take an advanced standing examination. This examination may be a subject matter test of the College Level Examination Program (CLEP) or a comprehensive test designed by the department to cover the subject more fully than a regular final examination. In order to receive credit for a departmental examination, a student must have the following qualifications in addition to those listed above:

- (a) be enrolled in college at the time of the examination;
- (b) not have taken an examination over the course within the preceding six months;
- (c) not have credit in a more advanced course in the same field;
- (d) be working toward a degree at Missouri Southern State College;
- (e) have the approval of the head of the department in which the course is offered;
- (f) not use examination to replace a previously earned grade.

After a student has taken a departmental examination, the professor will transmit the grade to the Vice President for Academic Affairs Office. If performance is equated as a "C" grade or above, the Registrar will record the credit.

International Baccalaureate

Missouri Southern will grant up to 30 semester hours or the equivalent of one full year of college study, to those who have completed study in the International Baccalaureate curriculum in high school. Missouri Southern will grant college credit and advanced placement for International Baccalaureate courses completed at the higher level with a score of four or greater. Students with such backgrounds should contact the Vice President for Academic Affairs through the Admission Office for a detailed analysis of credits and standing.

Advanced Placement Test (AP)

Missouri Southern participates in the Advanced Placement Program sponsored by the College Entrance Examination Board. Credits are granted for course areas in which a student has completed Advanced Placement Examinations with a score of 3, 4 or 5.

Correspondence Course Credit

Missouri Southern does not offer courses by correspondence; however, it does accept credit earned in this manner from regionally accredited institutions. No student will be permitted to apply course work in correspondence toward his or her degree after a total of 12 hours has been completed in correspondence courses.



Core Requirements / 43

Course Credit for Military Service and Schooling

Military Service students who have completed a minimum of one year of active military service may be granted credit to meet the Kine 101 and Kine 103 requirements of the Core Curriculum. Thus, these requirements will be satisfied if the DD214 form is submitted to the Missouri Southern Registrar's Office. Credit may also be granted for specific military schooling as recommended by the American Council of Education. The credit granted will be comparable to courses listed in the bulletin and will carry the grade of "Cr". The veteran must present documentation designating the military course, date and site of the course.

Validation Examinations

If Missouri Southern refuses to accept a student's earned credit in a course because of the method in which the course was taken or because the institution at which the course was taken was not accredited, the student may apply for a validation examination. In order to qualify for a validation examination a student must: (a) be enrolled at Missouri Southern State College at the time the examination is taken; (b) present the necessary evidence to prove that the course was taken; (c) get approval from the Registrar, the school dean and the head of the department in which the course is offered; and (d) initiate the proceedings within the first eight weeks after entering college.

The student initiates the request for examination at the Registrar's Office. The school dean and the department head will appoint a professor to construct, administer and evaluate the examination. The result is reported to the Registrar who records the grade if it is "C" or above.

The Honors Program

Entering students will be governed by admission policies clarified on page 39 of this catalog. In addition, students generally will not be admitted to the Honors Program after they have earned 30 credit hours. However, if such a student presents a plan to take the 26 honors hours required to complete the program, that student will be considered by the Honors Committee on an individual basis.

Graduation

- A. **Graduation Requirements:** The responsibility for satisfying all requirements for a degree rests with the student. Advisers, faculty members and administrators offer help to the student in meeting this responsibility.
- B. **Time of Graduation:** A student may complete graduation requirements at the close of any semester. Formal announcement of graduation is made and degrees are conferred at the close of the spring semester.

- C. **Placement Services:** Each degree candidate must register in the Office of Career Services.
- D. Degree Candidacy Application: Each student must make application for degree candidacy during the semester preceding the last semester in attendance. The application process is initiated at the Placement Office.
- E. **Senior Assessment:** All graduating seniors are required to complete a Core Curriculum and a departmental exit assessment before the baccalaureate degree is awarded. Effective: July 1, 1988.

Baccalaureate Degree Requirements

- A. **Residence:** The following minimum requirements must be met in residence at Missouri Southern: (1) 30 of the last 36 hours counted toward the degree; (2) one-half of the courses both required for the major and in the major department. Courses required for the major but not offered in the major department are not included; (3) one-half of the upper division courses both required for the major and in the major department.
- B. **Credit Hours:** At least 128 semester hours of college credit applicable to a baccalaureate degree are required for graduation.
- C. **Grade Point Average (GPA):** The following minimum GPAs are required for all baccalaureate degrees except the B.S.E.:
 - 1. a 2.0 GPA for all credit hours attempted;
 - 2. a 2.0 GPA for all the courses required for the major, both inside and outside the major department;
 - 3. a 2.0 GPA for all courses, both required and elective, taken in the major department.

The following minimum GPA's are required for the B.S.E.:

- 1. a 2.75 GPA for all credit hours attempted;
- 2. a 2.50 GPA for all the courses required for the major, both inside and outside the major department;
- 3. a 2.50 GPA for all courses, both required and elective, taken in the major department;
- 4. a grade of C or better in professional education courses and courses required for elementary education, special education and early childhood.
- D. **Upper Division Hours:** A minimum of 40 semester hours in upper division courses (those with numbers in the 300's and 400's) must be completed to meet the graduation requirements. Reasonable adjustments are made for three-one affiliation programs.

44 / Core Requirements

E. Writing Intensive: Five writing intensive courses will be required of all baccalaureate degree candidates. Six hours must be completed in the freshman year and two of the three remaining courses must be taken at the junior and/or senior level. One upper division course must be taken in the student's major. (Writing Intensive courses may be identified in the "schedule of classes" by a "WI" placed at the end of the course number. Example: Psy 480WI Senior Seminar.) Students transferring to Missouri Southern from another college will fulfill the Writing Intensive requirement as follows:

Total hours at time transfer to Missouri Southern:	Minimum Writing Intensive courses required:
Fewer than 30 hours	Five courses as outlined above
30 to 89 hours	Four courses, with at least two at the junior/senior level, one of which must be in the major
90 hours or more	Three courses, one must be in the major and at the junior/senior level

- F. **Foreign Language:** All students expecting to graduate with a bachelor of arts degree must successfully complete 12 hours of the same foreign language as a part of the graduation requirements.
- G. **Special Education:** All students expecting to graduate with a bachelor of science in education degree must successfully complete two hours of Special Education (Educ 302) as a part of graduation requirements.
- H. Computer Literacy: All students will receive computer instruction to a level of understanding necessary for them to function as a member of society and to a level of skill sufficient to use the computer for problem solving within their discipline. Department heads will certify the competency of the students in their disciplines.
- Assessment: All degree candidates are required to participate in College assessment of outcomes activities.
- J. Core Curriculum Requirements: Missouri Southern has a Core Curriculum program that contributes toward the development of the whole person, as an

individual and as a member of society. All degree candidates must satisfy the following Core Curriculum requirements:

Baccalaureate Degree

bucculair cute Degree	Cradit Haura
Area 1. Basic Requirements*	Credit Hours
A. English Compositions	Required
	6
Freshman Year (Eng 101 and 102 or	
achievement in the required	
competency level can be done	
in Eng 111 in 3 hours)	
B. Communication	3
Comm 100 Oral Communication	
C. Mathematics (110, 112, 130 or above)**	3
D. Physical Education**	3
Kine 103 Lifetime Wellness**	2)
Kine 101 Physical Activity (1	1)
Total for Area	1 15 Hours
Area 2. Humanities and Fine Arts	
A. Select One	3
Art 110 Art Appreciation (3	
Mus 110 Music Appreciation (3	
Th 110 Theatre Appreciation (3	3)
B. Select One	3
Eng 261, 262 World Masterpieces (3	3)
Eng 271, 272 English Literature (3	
Eng 281, 282 American Literature (3	
C. Select One	3
Eng 150 Introduction to Literature (3	
Eng 305 Short Story (3	
Eng 261, 262 World Masterpieces (3	
Eng 271, 272 English Literature (3	
Eng 281, 282 American Literature (3	
,	
Art 110 Art Appreciation (3	
Mus 110 Music Appreciation (3	
Th 110 Theatre Appreciation (3	
Total for Area	2 9 Hours
Area 3. Natural Science and Behavioral Science	**************************************
A. Bio 101 General Biology**	4
B. Phy 100 Fundamentals of Physical Science	
C. Select one	** 5
D 400 C 1- 1 1	
Soc 110 Sociology (3	
Total for Area	3 12 Hours
Area 4. American Cultural Studies*	
A. Hist 110 U.S. History 1492-1877	2
AND	3
Hist 120 U.S. History 1877-Present	
OR	
Hist 320 U.S. History 1877-Present	3
PSc 120 Gov't: U.S., State, Local	3
Econ 180 American Economic System	3
(Majors and minors in business should take	
Total for Area	4 12 Hours

Degree Requirements / 45

Area 5. International Cultural Studies*		
A. Select One		3
Hist 130 or 140 Western Civ	(3)	
Geog 211 Regions and Nations	(3)	
Anth 155 Physical Anthropology		
and Archeology	(3)	
Foreign Language	(3)	
GB 310 International Business	(3)	
Anth 342 Comparative Cultures	(3)	
Comm 305 Intercultural		
Communication	(3)	
Soc 304 The Arab World	(3)	
CJAd 301 International Justice Systems	(3)	
Phil 320 Comparative Religion	(3)	
Eng 385 Continental Novel	(3)	
Total for Ar	ea 5	3 Hours

Total Core Curriculum Requirements	Total Core Curriculum Requirements	51 Hours
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^{*}Occasionally, selected courses may be substituted for this area.

**See degree requirements listed in the Catalog for courses that are substituted for specific majors.

Associate Degree Requirements

Associate of Arts Degree

- A. Credit Hours: A minimum of 64 semester hours must be completed.
- B. **Residence**: The last 15 semester hours must be completed in residence at Missouri Southern.
- C. **Grade Point Average**: Minimum cumulative and major field grade point average must be 2.0.
- D. **Major Field**: The student must meet the course requirements of the particular preprofessional program selected. Or, the degree may consist of the general education courses plus additional hours, adding up to 64, as approved by the adviser and the Vice President for Academic Affairs.
- E. Core Curriculum Requirements: The degree requires completion of the following Core Curriculum requirements:

Area 1. Basic Requirements*	Credit Hours Required
A. English Compositions	6
Freshman year (Eng 101 and Eng 102	
OR achievement in the required	
competency level can be done	
in Eng 111 in 3 hours)	Lordon Solle gla
B. Comm 100 Oral Communication**	3
C. Mathematics (110, 112, 130 or above)** 3	
D. Physical Education	3
Kine 103 Lifetime Wellness** (2)	
Kine 101 Physical Activity** (1)	
Total for Area 1	15 Hours
Area 2. Humanities and Fine Arts*	
A. Select One	3
Art 110 Art Appreciation (3)	
Mus 110 Music Appreciation (3)	
Th 110 Theatre Appreciation (3)	
B. Select One	3

		(-)	
	Eng 271, 272 English Literature	(3)	
	Eng 281, 282 American Literature	(3)	
C.	Select One		3
	Eng 150 Introduction to Literature	(3)	
	Eng 305 Short Story	(3)	
	Eng 261, 262 World Masterpieces	(3)	
	Eng 271, 272 English Literature	(3)	
	Eng 281, 282 American Literature	(3)	
	Phil 201 Introduction to Philosophy	(3)	
	Phil 212 Ethics	(3)	
	Art 110 Art Appreciation	(3)	
	Mus 110 Music Appreciation	(3)	
	Th 110 Theatre Appreciation	(3)	
	Foreign Language	(3)	
	Total for	Area 2	9 Hours
Are	ea 3. Natural Sciences*		
Α.	Bio 101 General Biology** AND		4
	Phys 100 Fundamentals of Physical Se	cience**	5
	Total for	Area 3	9 Hours
Are	ea 4. Social and Behavioral Sciences*		
Α.	Psc 120 Gov't: U.S., State Local		3
В.	Hist 110 U.S. History 1492-1877 OR		3
	Hist 120 U.S. History 1877-Present	(3)	
			_

Eng 261, 262 World Masterpieces (3)

Total for Area 4 9 Hours
Total Core Curriculum Hours 42 Hours
*Occasionally, selected courses may be substituted for this area.

(3)

(3)

(3)

Select One

Hist 130 or 140 Western Civ

Psy 100 General Psychology

and Archeology

Soc 110 Sociology (3)

Geog 221 Regions and Nations

Anth 155 Physical Anthropology

Econ 180 American Economic System** (3)

**See degree requirements listed in the Catalog for courses that are substituted for specific majors.



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Associate of Science Degree

- A. Credit Hours: A minimum of 64 hours must be completed.
- B. **Residence:** The last 15 semester hours must be completed in residence at Missouri Southern.
- C. Grade Point Average: The minimum cumulative and major field grade point average must be 2.0.
- D. **Major Field:** The student must meet the course requirements in the particular program of study as approved by an adviser.
- E. Core Curriculum Requirements: The degree requires completion of the Core Curriculum courses as well as those outlined in the student's major field of study. The Core Curriculum required courses are:

			Credit Hours
Area	1. Basic Requirements*		Required
A. 1	Eng 101 English Composition		3
B. (Comm 100 Oral Communication**		3
C. /	Math 30 (or above)**		3
D. I	Physical Education**		3
ŀ	Kine 103 Lifetime Wellness**	(2)	
ŀ	Kine 101 Physical Activity**	(1)	
	Total for A	Area 1	12 Hours
Area	2. Humanities and Fine Arts*		
A. Se	elect One		3
1	Art 110 Art Appreciation	(3)	
1	Mus 110 Music Appreciation	(3)	
7	Th 110 Theatre Appreciation	(3)	
1	Any Literature Course except 325	(3)	
F	Phil 201 Introduction to Philosophy	(3)	
F	Phil 212 Ethics	(3)	
	Total for A	Area 2	3 Hours
Area	3. Natural Science*		
A. I	Bio 101 General Biology**		4
B. 1	Phys 100 Fundamentals of Physical Sc	cience**	5
	Total for A	Area 3	4-5 Hours
Area	4. Social and Behavioral Sciences*		
A. 1	Hist 110 or Hist 120 United States His	story	3
B. :	***Missouri Constitution Requirement		
	Select One:		3
	Psy 100 General Psychology	(3)	
5	Soc 110 Introduction to Sociology	(3)	
E	Econ 180 American Economic System		
	Total for A	Area 4	6 Hours
Total	Core Curriculum Requirements		25-26 Hours

*Occasionally, selected courses may be substituted for this area.

**See degree requirements listed in the Catalog for courses that are

substituted for specific majors.

Arts and Sciences.

***This requirement may be satisfied with credit from a Missouri public college, or PSc 120 Government: U.S., State & Local or by an examination. Examination information is available from the Dean of

Core Curriculum courses required for the associate of science degree typically do not completely fulfill the Core Curriculum requirements for the baccalaureate degree.



When the curriculum requirement for an associate of science degree specifies a different course in the discipline than those listed above, the specified course may meet the Core Curriculum requirements for that degree.

A Bachelor of General Studies (B.G.S.) Degree

The B.G.S. degree is a viable alternative for a few individuals who may wish thorough preparation for a career in a specific field. To pursue this option the student should consult with the Registrar regarding the degree.

Academic Minor

Selected departments have developed an academic minor that in conjunction with the major strengthens the students' vocational preparation. A minor requires at least 18 semester hours of prescribed courses. At least six semester hours must be upper division and at least nine semester hours must be in residence. The overall GPA requirement is 2.0.

Special Requirements

Physical Education Requirements

All students are required to satisfactorily complete 3 hours of physical education before they are permitted to graduate. Currently, students must complete Kine 101, Physical Activity and Kine 103, Lifetime Wellness.

Students should take these courses during the freshman and sophomore years. Students who meet the following conditions may be exempt from all or part of this requirement:

- A. Students who transfer from colleges where physical education is not taught will be exempt from the requirements as follows:
 - (1) students transferring less than 15 semester hours will not be exempt from any of the requirements;
 - (2) students transferring 15 to 60 semester hours will be exempt from one hour of physical education.

B. Upon presentation of proper documentation to the Registrar, a veteran may petition for credit in physical education.

State Legislation Requirement

Section 170.011 of the Revised Statutes of Missouri, 1989, prescribe that all candidates for a degree issued by the colleges and universities of Missouri must have "satisfactorily passed an examination of the provisions and principles of the Constitution of the United States and of the State of Missouri, and in American History, and in American Institutions."

Students may comply with the law

- (1) by completing courses embracing the subject matter specified by the law and receiving credit therein, preferably before admission to senior college work; or
- (2) by certification of the completion of such requirements in another collegiate institution.

All students who have completed the Core Curriculum requirements meet the requirements of Missouri law. Out-of-state students who do not complete their general education at Missouri Southern must pass a special examination on the Missouri Constitution.

School Laws of Missouri, 1974, require that persons cannot be granted a certificate or license to teach in the public schools of Missouri unless they have satisfactorily completed a course of two or more semester hours in the psychology or education of the exceptional child. This requirement can be met by taking Psy 302.



Commencement Requirements

Degrees are conferred only at scheduled commencement exercises. Students who graduate in the fall term, the following spring term or the following summer term are to participate in the annual spring commencement exercise. A student ready for graduation must be present at commencement in order to receive a degree. However, a candidate may graduate in absentia with the permission of the Vice President for Academic Affairs.

General Regulations

Classification of Students

A. By Class

Freshman: 0-29 Hours Sophomore: 30-59 Hours Junior: 60-89 Hours Senior: 90 and above

Special Admission: See page 41.

B. Postgraduate:

Persons having completed a baccalaureate degree but taking courses for the purpose of teacher certification, job preparation and additional degree or personal profit.

C. Full-time:

A student enrolled for 12 or more semester hours.

D. Half-time:

A student enrolled in 6-11 semester hours.

E. Less Than Half-time:

A student enrolled in fewer than 6 semester hours.

Concurrent Enrollment

A student who is enrolled in residence at Missouri Southern and who desires to earn credit concurrently at another institution or through correspondence extension, advanced standing examination or USAFI examinations must secure advanced approval from a School Dean. Exceptions: Armed Forces personnel will be granted 60 days from the date of their first enrollment to establish, through USAFI examinations, advanced standing in subject matter which they mastered while in the Armed Forces.

Combined Degree Programs

Missouri Southern State College has established several combined degree programs whereby the student completes a structured number of academic hours under the regulations

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established by the College and combines with this the satisfactory completion of the professional curriculum from a school with which the college has an agreement.

- Complete 94 hours at Missouri Southern State College.
 Transfer credit will be considered, but the last 30 of the 94 hours must be earned at MSSC.
- 2. The 94 hours must include the completion of the Core Curriculum requirement.
- 3. Sixteen out of the last 94 hours must be upper division (300 and 400 level courses).
- 4. All applicable "Requirements for Graduation" as stated in the Missouri Southern State College catalog must be met including the application for degree candidacy, the graduation fee, and the filing of credentials with the Career Services Office.
- 5. A transcript from the institution with which a combined degree agreement is arranged must be provided in order to complete the requirements for a degree.

Co-Admission

Students who enroll at Crowder College but meet the admission requirements of Missouri Southern and plan to transfer to Missouri Southern may apply for Co-Admission. The application will be done by the Crowder College Admission Office. Records for co-admitted students will be maintained at both institutions. Missouri Southern will assist in the academic advising of co-admitted students prior to transfer to Missouri Southern.

Second Baccalaureate Degree

A student may receive a second baccalaureate degree after completing the first degree and all the requirements of the second degree. A student may not earn the same degree more than once, even though the majors differ. The "Residency" does apply.

Transcript Below "C" Average

Students who are accepted with a below "C" transcript and who are below the minimum standards for progress will be placed on Academic Probation. Missouri Southern accepts all grades from any equally accredited institution including both "D's" and "F's".

Maximum Credit Hour Load

To enroll in more than 18 semester hours during a semester or in more than nine hours during a summer session, a student, with the exception of music majors, must obtain prior written permission from the school dean. Music majors may carry as many as 20 semester hours without permission from their dean.

Late Enrollment

Enrollment in a regular semester after the first week of classes or after the third day of classes in the summer session is not advisable and is permitted only with special permission from the appropriate department head. Any student enrolling after classes begin will pay a late enrollment fee.

Withdrawal from College

A student who wishes to withdraw will initiate withdrawal in the Office of Counseling and Testing (114 Hearnes Hall). A student who completely withdraws from the college prior to the last week of classes in a regular or summer semester may receive a grade of "W" in all courses in which the student is enrolled. Withdrawal from the College after the last week of classes in a regular or summer semester will result in a grade of "F" being recorded for all courses, unless other arrangements are made through the Office of the Registrar. A student who leaves school without officially withdrawing shall receive grades of "F" in all courses.

Course Withdrawal

A student may initiate the withdrawal from a course in the Registrar's Office. Deadlines and grades cited in the College Catalog apply.

Adding Courses

A student may add a course in the appropriate Dean's Office, but only upon the approval of an adviser. A fee will be charged each time a student changes the program not at the request of the college. No course may be added after the first week of classes in a regular semester or after the third day of classes in the summer session without special permission.

Class Attendance

Faculty members keep records of attendance in all regularly scheduled courses at Missouri Southern. The primary objective of student and professor is the student's attainment of course goals. It is recognized that students who achieve those objectives are normally those who attend class regularly. The professor, when giving a final semester grade, bases his/her evaluation on how well the student has achieved the course goals.



In the event that a student misses any class for ten (10) consecutive working days, the faculty member will report this in writing to the Office of the Registrar.

Missouri Southern may discontinue the enrollment of any student for non-attendance.

Students who miss a class do so at their own risk and must assume the responsibility for work missed because of class absences. Professors are willing to assist students whose absences are caused by valid illnesses, college approved activities, and extenuating circumstances. The professor may require whatever evidence is needed to support the reason for absence.

The attendance record is significant to the total record and is useful in guidance and counseling. When absences are excessive, the professor will report the fact to Student Services and they will in turn counsel with the student. The total number of student absences in a class will be reported to the Registrar's Office along with the final grade at the end of the semester.

Students should be aware that absence from class invariably has a built-in penalty of lower academic achievement. Excessive absences usually result in failure to achieve the course goals.

Grades and Grading Policies

Grading System

A student's grade is officially recorded by letter. At Missouri Southern, the following grades and their numerical equivalents are used:

Grade	the second discount to the	Grade Points
A	Outstanding	4
В	Above Average	3
C	Average	2
D	Minimum Passing	1
F	Failing	0
W	Withdrawal	

The current policy for the "W" grade is as follows:

- (a) Course withdrawals will be permitted through the first week of the semester without any grade recorded.
- (b) Course withdrawal during the second through the ninth week of the semester will be indicated by a "W" posted to the record.
- (c) Course withdrawals are not permitted after the ninth week of the regular semester (or its equivalent). Exceptions to this policy are infrequent and must be pursued by means of academic petition. A student who stops attending class without officially withdrawing is in jeopardy of receiving an "F" in the course.



Credit/No-Credit System of Grading

Students in some programs may register to take certain courses on a credit/no-credit basis. In such cases, "Credit" or "No-Credit" will be recorded rather than a letter grade and these courses will not be counted in grade-point averages. This program will permit a student to explore course work outside of the major without jeopardizing the grade point average. The minimum performance level required to receive credit in a credit/no-credit course is a grade of "D". Students may be eligible to enroll for certain courses on a credit/no-credit basis under the following conditions:

- 1. That such registration be approved by the adviser and the head of the department through which the course is offered.
- 2. That the student has attained sophomore rank, or higher (30 or more hours).
- 3. That the student has achieved a cumulative grade point average of at least 2.0.
- 4. That such enrollment be limited to one course per semester.
- 5. That the total enrollment on a credit/no-credit basis be limited to no more that three courses or 10 credit hours in any student's degree program.
- 6. That the courses involved are not port of the student's major or minor and are not specifically required as part of the student's degree program. (Hours beyond the minimum required for the major or minor may be taken on a credit/no-credit basis.)
- 7. That the courses involved are not part of the Core Curriculum requirement.
- 8. Normally, registration for credit/no-credit courses will be completed prior to the final date for changing registration by adding a course.
- 9. After a student has enrolled in a course under the credit/ no-credit option, that individual may not subsequently change to a graded basis in that course.

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This policy does not apply to those courses regularly designated as credit/no-credit courses. Such courses are Mus 240 Recital Attendance, Educ 462 Student teaching.

Incomplete (I): A grade of "I" may be reported if a student is unable to complete the work of the course within the semester for a valid reason such as illness, death in the family, an emergency, etc. It is not intended as a substitute for an "F" and does not entitle a student to attend the class during a subsequent semester. An incomplete must be made up by the end of the next semester (excluding summers) or it will be converted to an "F" automatically. Both credit and grade points for that course are suspended until the incomplete is converted to either a passing grade or an "F".

Audit (AU): A student may audit a class for no grade and no credit. Acceptable performance, attitude and attendance as determined by the professor are expected. Regular fees and enrollment procedures are required. A student may not change enrollment from audit to credit nor from credit to audit. An audit means only that a student registered for the course. It does not imply any level of proficiency or knowledge.

Change of Grade: A change is initiated by the faculty member by filing a Change of Grade form with the Registrar. No change of grade is to be made without good cause. Exceptional cases will be reviewed by the (immediate supervisor), school dean and Vice President for Academic Affairs.

Independent Study: Independent study courses are special courses which may be taken by outstanding students at the discretion of the faculty adviser and the appropriate college officials. Students may enroll in independent study courses for a total of three hours on the associate degree and a total of six hours on the baccalaureate degree providing they:

- have completed
 Associate Degree 30 hours
 Baccalaureate Degree 90 hours
- 2. have a minimum cumulative 3.00 GPA
- 3. have permission of the adviser, department head and the school dean in the area of independent study.

Independent study is designed for the individual who desires to explore a topic more completely than can be done in a regular course offering. Substituting independent study for a regular course is seldom done.

Posting of Grades: College legal counsel advises that the public posting of a student's name and grade, or student number and grade, without the student's approval, is a violation of the Buckley Amendment (Family Education Rights and Privacy Act of 1974) which does not allow disclosure of recorded data or information without the individual's written consent.

Official Transcript: An official transcript of the student's academic record bears the Registrar's signature and the College seal. Missouri Southern assumes no responsibility for the accuracy of a transcript after it leaves the Registrar's Office.

Up to two weeks must be allowed after the close of a semester for the issuance of an up-to-date transcript. The transcript request must be made in writing. Each student is entitled to two (2) free transcripts. Additional copies cost \$1.00 each. No transcript will be issued unless all bills at Missouri Southern are paid or are current according to agreement with the Business Office.

Academic Standards

Good Standing and Eligibility

Students enrolled at Missouri Southern are in good academic standing when they meet the standards of progress toward graduation as described below. Those falling below the prescribed norm will be placed on academic probation. Persons failing to achieve normal progress toward graduation during the probationary period are subject to academic suspension. Students receiving financial aid must meet the good standing criteria described below.

Those students competing in intercollegiate athletics or in organizations representing the College off campus shall be required to satisfy minimum standards of progress, as indicated below, following the completion of the first academic year in order to maintain future eligibility in these programs.

Academic Bankruptcy

A student may petition the Academic Policies Committee to request one semester of academic work be disregarded in computing the academic record. To be eligible for petitioning, a student must be currently enrolled, in good standing and must document the unusual conditions which justify the petition. The petition may be initiated in the Registrar's Office.

Academic Bankruptcy can never be used as a means of obtaining academic honors or athletic eligibility. Academic Bankruptcy will not remove grades from the student's permanent record. It merely allows one semester of recorded work to be eliminated in computing the student's scholastic average.

Developmental Courses

Occasionally, scores obtained from the placement tests indicate a student may not be successful in college. The college reserves the right to require these students to take precollege courses in mathematics, language arts and reading prior to participation in regular college classes.

Standards of Progress Toward Graduation*

A student's cumulative grade point average (GPA) is used to evaluate progress. If the grade point average falls below the minimum standards of progress, the work is considered unsatisfactory.

Progress toward a degree is computed on the following grade point averages:

A. For Associate Degree

Hours Attempted	Grade Point Average
1-22 semester hours	
23-33 semester hours	1.7
34-44 semester hours	1.8
45-55 semester hours	1.9
56 & Above	2.0

B. For Baccalaureate Degree

Hours Attempted	Grade Point Average
1-22 semester hours	1.5
23-44 semester hours	1.6
45-66 semester hours	1.7
67-88 semester hours	1.8
89-110 semester hours	1.9
111 & Above	2.0

^{*}Students who receive financial aid must comply with federal standards. The above may not reflect those standards.

Academic Probation, Suspension and Reinstatement

Each student should consider a grade point average of less than 2.0 as a warning. Those falling below the standards of progress toward graduation will be placed on academic probation. If the grade point average is not raised to the minimum standard of progress during the probationary semester, the student is subject to immediate academic suspension from the College.

A student receiving academic suspension may not enroll at Missouri Southern for one semester. Re-entry may be denied by the Vice President for Academic Affairs if the student cannot present evidence that indicates a high probability of academic success.

Repetition of Courses

Students may repeat courses in which grades "F, D, C, or B" have been earned. When a course is repeated, the first grade will not be removed from the record, but the latest grade will be used computing grade point averages.

298-398-498 Classes

Classes numbered 298, 398 or 498 may not be counted toward Core Curriculum credit.

Honor Roll

An Honors or Deans' List, issued at the end of each semester, contains the names of full-time undergraduate students who have a 3.75 grade point average or higher with no "I" grade or a grade below "C."

Graduation Honors

In recognition of superior scholarships, the College awards honors to associate degree and baccalaureate degree graduates. Honors listed below are not earned until courses are completed, graded and posted on the students' permanent record.

Associate Degree — The student must have completed a minimum one half of the hours required for the degree in residence at Missouri Southern State College. The cumulative grade point average required to receive:

First Honors	3.90-
Second Honors	3.80-3.89
Third Honors	3.70-3.79

Baccalaureate Degree - Eligibility for any one of the following three honors requires the candidate to study all the junior and senior years at Missouri Southern and earn a minimum of 60 hours of credit:

Summa Cum Laude	3.90-
Magna Cum Laude	3.80-3.89
Cum Laude	3.70-3.79

Course Numbers and Levels

Course Numbers:

0- 99	Applicable toward the associate degree only
100-199	Primarily for freshmen
200-299	Primarily for sophomores
300-399	Primarily for juniors
400-499	Primarily for seniors

Normally, courses numbered 100-299 are considered lower division level courses and those numbering 300-499 are upper division level courses. There are more significant distinctions between the lower and upper division courses than within the levels of the lower and upper division courses.

The student should check the catalog description of the course to see whether the second semester of a sequence course makes the first semester a prerequisite.

Freshmen are not allowed to take any course above the 200 level unless qualified by advanced placement tests. The exception is infrequent.

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All courses offered are listed in the catalog. Immediately following each course title is a letter abbreviation of the semester in which the course is usually offered. Students and faculty should use this as a guide in considering future enrollment. However, this should not be interpreted as a contract. Missouri Southern reserves the right to deviate from this commitment when enrollment or other factors dictate.

Major or Area of Interest

All students will be required to declare their degree sought, their major (or area of interest), their status (regular or other) and whether they will attend half-time or full-time.

Revised Standards for Veteran's Educational Benefits

The Revised Standards for Veteran's Educational Benefits as adopted by the State Board of Education on February 17, 1977, are available in the Veteran's Affairs Office. Each Veteran should see the veteran counselor or veterans representative regarding these policies.

Any exceptions to the regulations above must receive written approval from the Vice President for Academic Affairs.

Special Policies for Financial Aid Recipients

Special policies and regulations governing financial aid recipients are filed in the Financial Aid Office, the Business Office and the Office of the Vice President for Student Services.

Catalog Time Limit

A candidate for a degree may use, as a basis for degree requirements, the general catalog issued for any year following the date of the candidate's first registration at MSSC provided it is not more than six years prior to the date the degree is to be conferred. The candidate must have been in residence at MSSC during the year of the catalog selected.

Transfer Student: The MSSC catalog in effect at the time of the transfer student's initial enrollment in the sending institution (transfer school), will govern the transfer student's degree requirements. The catalog used may not be dated more than six years prior to the date the degree is to be conferred. The transfer student must have been enrolled in a previous school during the year of the catalog selected.

The degree requirements in the 1997-99 Catalog became effective June 1, 1997



Art Biology Chemistry ommunications **English Environmental Health Foreign Languages** Geography Geology History **Mathematics** Music **Paralegal** Philosophy **Physics Political Science** Social Science Sociology Theatre

School of Arts & Sciences

School Dean

J. Larry Martin Hearnes Hall 318, 625-9385

Degrees and Majors

Bachelor of Arts

Art

Chemistry

Communications

English

History

Music

Political Science

Sociology

Spanish

Theatre

Bachelor of Science

Biology

Chemistry

Environmental Health

Mathematics

Physics

Sociology

Bachelor of Science in Education

Art

Biology

Chemistry

English

Mathematics

Music

Physics

Social Studies

Spanish

Speech-Theatre

Options and Emphases

Art (B.A.)

Studio Art

Graphic Communications

Communications (B.A.)

Speech Communications

Mass Communications

Mathematics (B.S.)

Mathematics

Computational Mathematics

Music (B.S.E.)

Double Certification

Instrumental

Vocal

Social Studies (B.S.E.)

History

Political Science

Sociology

Minors: See Departments

Role

Consisting of nine departments and 14 major disciplines, the School of Arts and Sciences has two primary roles. One is to provide the foundation of all higher education called the liberal arts component or Core Curriculum. The other is to educate students for professional careers and for graduate school. The Core Curriculum at Missouri Southern is designed to meet the needs of the individual and of society, needs which include communicating, critical thinking, clarifying values, functioning within social institutions, using science and technology and using the arts.

Scope

The School of Arts and Sciences has three principal responsibilities: teaching, research and creative activities, and community service.

Quality teaching, the first responsibility, is essential to sound academic programs. Consequently, teaching is important to liberal arts and is the major role of the faculty. In the School of Arts and Sciences, the faculty strive to educate students both deeply within a discipline and widely across disciplines; deeply, to help them achieve excellence and widely, to help them develop a lifelong habit of self education and thus readily adapt to change.

The second responsibility of the School of Arts and Sciences is scholarly research and creative activity. The aim of scholarly research is both improvement of teaching and advancement of knowledge. The aim of creative activity and performance is to enrich the participant's understanding and proficiency both as a teacher and as an artist and to enhance the cultural opportunities of the community.

The third responsibility of the School of Arts and Sciences, one which is closely related to the first two, is community service as an academic and cultural resource. The School functions as an academic resource by consulting and providing academic expertise to help solve community problems. It functions as a cultural resource by presenting to the public films, arts exhibitions, dramatic productions, musical concerts and recitals.



Art Building 303, 625-9563

Faculty Bray - Head, Christensen, Fowler, Hess, Noblett, Schwieger

Career opportunities available for the qualified bachelor of arts degree graduates are in commercial art, free-lance and private studio lessons. This degree also prepares the graduate to enter an advanced degree program on the master's level in a specific art discipline. Graduates with a bachelor of science in education degree with a major in art are certified through the teacher education program to teach K-12 in the state of Missouri.

Degree requirements in the four art programs - B.A. (studio emphasis); B.A. (graphic communications); B.S.E. (one of two teaching fields); B.S.E. (single teaching field) - are such that it is extremely important that students majoring in art meet with their faculty advisers each semester. Students are responsible for contacting their adviser after completing 21 semester hours in art to make application for their Junior Review. For this review, students are required to submit a representative sampling of their creative work, a record of academic progress and a statement of intent and/or objectives for examination by a committee of the art faculty. Written permission of the Junior Review Committee is required for a student to enroll in Art 490 Senior Exhibit. The committee meets at the beginning of each fall and spring semester. Entering transfer students must make application for the review during their first semester. Application forms and more detailed information are available in the department of art office, 204 Art Building.

Core Curriculum requirement for non-art majors, for one course in Area 2, Humanities and Fine Arts, is fulfilled by Art 110, Art Appreciation.

Bachel Major i Emphasis		o Art
Core Peg	Semester uirements (p. 43)	Hours 51
	r Literacy Requirement	31
(determin	ned by art department)	2-3
	anguage (four courses	
in one lar		12
Art Requi		53
Art 101	Basic Design	3
Art 105	Design & Color Theory*	3
Art 120	Beginning Ceramics	3
Art 130	Beginning Drawing	3 3 3 3 3 3
Art 211	Beginning Sculpture*	3
Art 205	Beginning Jewelry*	3
Art 230	Basic Form*	3
Art 232	Beginning Painting*	
Art	Art History (upper division	
Art 310	Transparent Watercolor*	3
Art 312	Beginning Printmaking*	3
Art 300	Advanced Drawing*	
OR	Life Danie *	2
Art 421 Art 490	Life Drawing* Senior Exhibit*	3
	es (300 - 400 level courses)	3 2 9
Electives		-10
Liectives		128**
*See Prere		120
**Must in	clude at least 40 upper div D level) hours.	vision

Bachelor of Arts with a Major in Art

Emphasis II Graphic Communications

	Semester H	lours
Core Requ	irements (p. 43)	51
Computer	Literacy Requirement-	
determine	d by art department	1-3
	nguage (four courses in	
one langua	age)	12
Art Requir	ements	50
Art 101	Basic Design	3
Art 105	Design & Color Theory*	3
Art 130	Beginning Drawing	3
Art 205	Beginning Jewelry*	
OR		135
Art 230	Basic Form*	3
Art 215	Computer Design I*	3
Art 240	Typography and Lettering	3
Art	Art History (upper division)	9
Art 232	Beginning Painting	1
OR		
Art 300	Advanced Drawing*	3
Art 421	Life Drawing*	3 3 3 3
Art 310	Watercolor*	3
Art 312	Beginning Printmaking*	3
Art 315	Computer Design II*	3
Art 325	Graphic Communi-	
	cations I*	3
Art 350	Graphic Communi-	
	cations II*	3

Art 425	Graphic Communi-	
	cations III*	3
Art 450	Graphic Communi-	
	cations IV****	3
Art 490	Senior Exhibit*	2
Electives**		3-4
Additional	Requirement:	
CJAd 210	Basic Photography	3
	0 1 /	128***
**Suggeste	d Elective Courses:	
Art 120	Beginning Ceramics	3
Art 232	Beginning Painting*	3
Art 205	Beginning Jewelry*	3
Art 230	Basic Form*	3
Art 211	Beginning Sculpture*	3
Art 421	Life Drawing*	3
GB 320	Business Communication	s* 3
MM 300	Principles of Marketing*	
MM 401	Promotional Strategy*	3
11111 101	Tromotional Strategy	3
*See Prerec	nuicites	
occ i lelec	quisites	

Bachelor of Science in Education with a Major in Art

***Must include at least 40 upper division

****Satisfies departmental computer literacy

(300-400 level) hours.

requirement.

Grades K-12 Certification
Plan A One of Two Teaching Fields

Semester Hours				
Core Requirements (p. 43) 51*				
Art Requi		41		
Art 101	Basic Design	3		
Art 105	Design & Color Theory**	3		
Art 120	Beginning Ceramics	3		
Art 130	Beginning Drawing	3		
Art 200	Arts & Crafts	3		
Art 211	Beginning Sculpture**	3		
Art 220 Art Education				
Art 230 Basic Form**				
Art 232 Beginning Painting**				
Art 312 Beginning Printmaking**				
Art	Art History			
	(upper division)	9		
Art Electiv	res	3		
Second Te	eaching Field (some fields			
exceed 30 hours) 30				
Education Certification Requirements				
(p. 149)	41-42			
160-161***				

*Psy 100 satisfies certification requirments and 3 hours of the Core Curriculum. Area 3C **See Prerequisites included with course descriptions

***(Varies with 2nd field)

Bachelor of Science in Education with a Major in Art Grades K-12 Certification

Plan B Single Teaching Field

	Semester	Hours
Core Requ	irements (p. 43) 51*	48
Art Requir		49
Art 101	Basic Design	3
Art 105	Design & Color Theory**	k
OR		
Art 230	Basic Form**	3
Art 120	Beginning Ceramics	3
Art 130	Beginning Drawing	3
Art 200	Arts & Crafts	3
Art 211	Beginning Sculpture**	3
Art 220	Art Education	2
Art 232	Beginning Painting**	3
Art 312	Beginning Printmaking**	3
Art	Art History	9
Art 490	Senior Exhibit**	2
Art	Electives	12
Education	Certification Requiremen	ts
(p. 149)	41-42	
	13	8-139

*Psy 100 satisfies certification requirements and 3 hours of the Core Curriculum. Area 3C **See Prerequisites included with course descriptions.

Minor in Art

	Semester	Hours
Art 101	Basic Design	3
Art 110	Art Appreciation	
OR		
Art	Art History	3
Art 120	Beginning Ceramics	3
Art 130	Beginning Drawing	3
Art 211	Beginning Sculpture*	
OR		
Art 205	Beginning Jewelry*	
OR		
Art 230	Basic Form*	3
Art 232	Beginning Painting*	
OR		
Art 310	Watercolor*	3
Art 312	Beginning Printmaking*	3
		21

*See Prerequisites included with course descriptions.

56 / Art

A 4.	- Aud		Junior Year			2nd Semeste	or .	
Minor	in Art		1st Semeste			Art 105	Design & Color Theory*	3
With Fr	mphasis in Graphic De	esign			3	CJAd 210	Basic Photography	3
AAIGH EI		0	Foreign Lan		3		0 . ,	3
	Semester H		CORE	[Mus 110 Music Apprec]		CORE	[Eng 102 Comp II]	3
Art 101	Basic Design	3	OR	ITI 110 TI . A I	2	CORE	[Comm 100 Oral Comm]	
Art 105	Design/Color Theory*	3	CORE	[Th 110 Theatre Apprec]	3	CORE	[Hist 120 U.S. History]	3
Art 130	Beginning Drawing	3	Comm 305	Intercultural Comm		CORE	[Kine 101 Physical Activity]	
Art 240	Typography & Lettering	3	OR					16
Art 325	Graphic		Anth 342	Comparative Cultures				
AII 323		2	OR		2	Sophomore		
	Communications I*	3	GB 310	International Business	3	1st Semester		
Art 350	Graphic		Art 300	Advanced Drawing		Art 205	Beginning Jewelry*	
	Communications II*	3	OR		100	OR		0
Art 425	Graphic		Art 421	Life Drawing	3	Art 320	Basic Form*	3
	Communications III*	3	Art	Art History**	3	Art 240	Typography & Lettering	3
		21			15	Art 215	Computer Design I*	3
* Coo Dro	roquisitos					CORE	[Bio 101 General Biology]	4
	requisites		2nd Semest			CORE	[Eng 271/272 English Lit]	3
Recomm	ended Class: Basic Photogra	apny	Art	Art History**	3			16
			Art 310	Watercolor	3			
			Art 312	Beginning Printmaking*	3	2nd Semeste		
			Foreign Lan		3	Art 232	Beginning Painting	
			CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3	OR		
Sug	gested Order of Stud	V		The state of the s	15	Art 300	Advanced Drawing*	3
Sug	gested Order of Stad	1				Art 412	Life Drawing*	3
DESCRIPTION OF PERSONS			Senior Year	r man i kanan na Jahan na		Art 315	Computer Design II*	3
			1st Semeste	er		CORE	[Phys 100 Phys Sci]	5
Bachelor	of Arts		Art 490	Senior Exhibit*	2	CORE	[Eng 281/282 American Lit]	3
Major Co			CORE	[Eng 281/282 American Lit				17
			Art	Electives***	6	Junior Year		
Art Majo			CORE	[Econ 180 Amer Econ Sys]	3	1st Semester	r	
Emphasis	: Studio Art		Foreign Lar		3	Art 110	Art Appreciation	3
Freshman	Year		Torcigit Ear	18 dage	17	Art 310	Watercolor*	3
1st Semes						Art 325	Graphic Comm I*	3
Course		Hours	2nd Semest	ter		Foreign Lan		3
Art 101	Basic Design	3	Art	Art History**	3	Comm 305	Intercultural Comm	-
Art 130	Beginning Drawing	3	Art	Electives***	6	OR	intereditara comm	
CORE	[Eng 101 Comp I]	3	Electives	Approved by the adviser**		Anth 342	Comparative Cultures	
CORE	[Math 110 Intro to Col Math		Liectives	Foreign Language	3	OR	Comparative Cultures	
CORE	[Hist 110 U.S. History]	3		Totelgii Language	18	GB 310	International Business	3
CORE	[Kine 103 Lifetime Wellnes				10	GD 310		15
CORE	[Kine 103 Elletime Wellines	17	*See Prerec	ulisitos				13
		.,		equired-select from Art 301, 3	202	2nd Semeste	ar () and a subsection	
2nd Seme	ster			Art History	302,	Art	Art History**	3
Art 105	Design & Color Theory*	3		om 300 or 400 level courses		Art 312	Beginning Printmaking*	3
Art 230	Basic Form*	3						3
CORE	[Eng 102 Comp II]	3	Departmen	nt Recommendations]		Art 350	Graphic Comm II*	
CORE	[Comm 100 Oral Comm]	3				Foreign Lan		3
CORE	[Hist 120 U.S. History]	3	Da ala da	of Auto		CORE	[Soc 110 Intro to Sociology]	
CORE	[Kine 101 Physical Activity]		Bachelor					15
CORE	IKING TOT Friysical Activity	16	Major Cod			Comian Va		
		10	Art Major			Senior Year		
Sanhama	ro Voor		Emphasis	II: Graphic Communicati	ons	1st Semeste		2
Sophomoi						Art 100	Art History**	3
1st Semes		2	Freshman \			Art 490	Senior Exhibit*	2
Art 205	Beginning Jewelry*	3	1st Semeste	er		Art 425	Graphic Comm III*	3
Art 120	Beginning Ceramics	3	Course	0 . 0 .	Hours	CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Bio 101 General Biology]	4	Art 101	Basic Design	3	Elective	[MM 300 Prin of Marketing]	
CORE	[Comp 105 Comp Literacy]		Art 130	Beginning Drawing	3	Foreign Lan		3
Art	Art History **	3	CORE	[Eng 101 Comp I]	3			17
		16	CORE	[Math 110 Intro to Col Ma		2 12		
2-16	La transfer of the second		CORE	[Hist 110 U.S. History]	3	2nd Semeste		
2nd Seme		2	CORE	[Kine 103 Lifetime Wellne		Art	Art History**	3
Art 110	Art Appreciation	3	CORE	[Psy 120 College Orient]	1	Art 450	Graphic Comm IV* ***	3
Art 211	Beginning Sculpture*	3			18	CORE	[Econ 180 Amer Econ Sys]	3
CORE	[Phys 100 Fund of Phys Sci					Elective	[Bus 320 Bus Comm]	
CORE	[Soc 110 Intro to Sociology					OR		
Art 232	Beginning Painting	3				Elective	[MM 401 Promo Strategy]*	3
		17				Foreign Lan		3
								15

* See Prerequis	ites	
	ired—select from Art 301,	202
		302
303 or 304 Art		
	artmental requirement for a	com
puter application		
[Department Re	ecommendations]	
Rachelor of S	cience in Education	
Major Code 0		
Art Major (Pla		
Single Teachi	ng Fiel <mark>d</mark>	
Grades K-12	Certification	
Freshman Year		
1st Semester		
Course		ours
	Prientation to Educ I	1
	ieneral Psychology	3
Art 101 E	Basic Design	3
	ing 101 Comp II]	3
CORE [N	Math 110 Intro to Col Math]	3
CORE [k	(ine 103 Lifetime Wellness)	2
CORE [F	Psy 120 College Orient]	1
MCL OF THE		6
2nd Semester		
	rt Appreciation	3
	eginning Drawing	3
	esign & Color Theory*	1000/
OR OR	esign & color fricory	
	asic Form*	3
	Comm 100 Oral Comm]	3
		3
	Eng 102 Comp II]	
	Kine 101 Physical Activity]	1
Psy 305 D	evelopmental Psychology	3
		9
Sophomore Yea	ar	
1st Semester		
Take C-Base te		
	Prientation to Educ II	1
Art 200 A	rts & Crafts	3
Art 220 A	rt Education	2 3
	lective	
CORE [E	Bio 101 General Biology]	4
CORE [H	Hist 110 U.S. History]	3
CORE [F	PSc 120 Gov't: U.S./Sta/Loc]	3
	1	9
2nd Semester		
	ssion to Teacher Education.	
	he Exceptional Child	2
	Computer Software***	3
If computer lite	racy requirement is not	-
	ialty department.	
		3
	eginning Sculpture*	3
	eginning Painting*	
	Eng 281/282 American Lit	3
CORE [F	Phys 100 Fund of Phys Sci]	5
		9

Junior Year		
1st Semester		
Pass media c	ompetencies.	
Psy 310	Educational Psychology	2
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Note: See Ed	420 below****	
Art	Art History**	3
	Intercultural Comm	
OR	Patrick Salt Late Committee	
Anth 342	Comparative Cultures	
OR	comparative cuitares	
GB 310	International Business	3
GD 310	international business	16
		10
2nd Semester		
Educ 422	Tch Reading in the Sec Sch	2
Art 120	Beginning Ceramics	3
	Art History**	3
Art 212		3
Art 312	Beginning Printmaking*	3
Art	Elective	
CORE	[Econ 180 Amer Econ Sys]	3
		17
C		
Senior Year		
1st Semester		,
	dent teaching. All course wor	
	d except for professional se	meste
courses.	A STATE OF THE PARTY OF THE PAR	
Art	Art History**	3
Art 490	Senior Exhibit*	2
Art	Elective	6
CORE	[Eng 271/272 English Lit]	3
CORE	[Hist 120 U.S. History]	3
		17
2nd Semester		
Educ 337	Tchng Art in the Sec Sch	2
Educ 402	Foundations of Educ	2
Educ 432	Critical Issues	2
Select one:		
Educ 412	Indivi Curri Dev (2)	
OR		
Educ 420	Intro to Counseling**** (3)	
OR	As rarded to the second	
D 410	MA 0 F 1 (2)	2 2

Junior Vear

*See Prerequisites

Psv 412

Educ 464

**9 hrs. required—select from Art 301, 302, 303 or 304 Art History

Meas & Eval (2)

Student Teaching K-12

***Satisfies departmental requirement for a

computer application course.

****Offered at night only. Must be taken the

semester prior to student teaching.
[Departmental Recommendations]

After accumulating 21 hrs. in art, students must make application for their Junior Review via their adviser.

Consult catalog for requirement for Plan A (Art instruction/certification for one of two teaching fields)

For additional information contact:

Mr. Jim Bray

Office: Art Building 303 Phone: 625-9563

Course Descriptions

Art 101 (F and/or S) 3 hrs. cr. **Basic Design**

Foundation studio course using design principles and elements of structure. Six studio hrs. per week. Lab fee required.

Art 105 (F and/or S) 3 hrs. cr. **Design and Color Theory**

Foundation studio course dealing with the theories, problems and applications of color. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101 or approval of instructor.

Art 110 (F, S) 3 hrs. cr.

Art Appreciation

A survey designed to increase appreciation of the visual arts through readings, slide lectures, library research and visits to the George A. Spiva Center for the Arts. Development of the cognitive and critical processes as they relate to the visual arts are emphasized. Specially recommended toward meeting Core Curriculum requirements for nonart majors.

Art 120 (F and/or S) 3 hrs. cr.

Beginning Ceramics

Methods and techniques of throwing and/or hand building with application of glazing and firing. Six studio hrs. per week. Lab fee required.

Art 130 (F and/or S) 3 hrs. cr. **Beginning Drawing**

Development of perceptual drawing skills through the study of line, value, perspective, composition and reduction of form using various media. Six studio hrs. per week.

Art 200 (F or S) 3 hrs. cr.

Arts & Crafts

2-3

16-17

Basic crafts survey exploring materials and processes of traditional and contemporary handicrafts.

Art 205 (F and/or S) 3 hrs. cr. **Beginning Jewelry Design/Metalsmithing**

Creative exploration of design fabrications, casting and forging processes. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101 and/or Art 105 or approval of instructor.

Art 211 (F and/or S) 3 hrs. cr. **Beginning Sculpture**

Exploration of forming methods involving wood, clay, plaster and mixed media with emphasis on additive and subtractive techniques. Six studio hrs. per week. Lab fee required. Prerequisite: Art 105 and/or Art 230, or approval of instructor.

Art 215 (F)

3 hrs. cr.

Computer Design I Introduction to PageMaker and Freehand pro-

Art History, 19th Century Historic survey of the visual arts of Western Europe and the United States focusing primarily upon the styles of Neo-Classicism, Romanticism, Realism, Impressionism and Post-Impressionism.

will study desktop publishing, page layout, proper use of type and images. File and disk management, memory, storage and scanning will be included. Six studio hours per week. Lab fee required. Prerequisite: Art 101, Comp 105, or approval of instructor.

Creative art activities using media and processes

with emphasis on methods of instructing art in

elementary school. Required for both elementary

education majors and secondary art education

grams used on the Macintosh computer. Students

Art 304 (F, Even)

Art 303 (S, Even)

3 hrs. cr.

3 hrs. cr.

Art History, 20th Century

Study of the mainstreams of Western Art in Europe and the United States, including its sources and influences. Emphasis placed on the succession of modernist art movements in France and Germany from 1900 to 1945 and in the United States from 1945 to present.

Art 220 (F, S) **Art Education**

Art 305 (Demand)

3 hrs. cr.

Art History: Special Topics

Student art problems investigated with group participation. Requirements: research papers and oral presentations of investigated problems. Prerequisite: 21 credit hrs. in art. Strongly recommended by the art faculty.

Art 230 (F and/or S) **Basic Form**

majors. Lab fee required.

3 hrs. cr.

3 hrs. cr.

2 hrs. cr.

Studio exploration of the relationships of parts to form. Projects include two and three dimensional problems. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101.

Art 232 (F and/or S)

Transparent Watercolor

3 hrs. cr.

Beginning Painting Procedures, techniques, historical processes and basic fundamentals of painting with oil. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101 and Art 130. sion of instructor.

Art 240

3 hrs. cr.

Typography and Lettering

A studio course introducing the art of lettering/ typography. Designed to develop the skills needed to competently use the tools, materials and methods employed by professionals in rendering layouts and comprehensives. All assignments use lettering or typography as the primary design element. Six studio hrs. per week. Lab fee required.

Art 300 (F and/or S)

3 hrs. cr.

Advanced Drawing

Advanced investigation of various drawing elements including compositions, structure and aesthetics. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 101 and Art 130 or approval

Art 301 (S, Odd)

of instructor.

Art History, Prehistoric Through Gothic

Historic survey of the visual arts from prehistoric through the Middle Ages. Primarily in the Near East, North Africa and Europe.

Art 302 (F, Odd)

3 hrs. cr.

Art History, Renaissance Through Baroque

Historical survey of the visual arts of Europe from the Early Renaissance through the Baroque and Rococo. Comparative study of other cultures included.

Art 310 (F or S)

Techniques and aesthetic processes of watercolor painting using landscape, figures and still lifes as subjects. Six studio hrs. per week. Lab fee required. May be repeated for a total of six credit hrs. Prerequisite: Art 101 and Art 130 or permis-

Art 312 (F and/or S)

3 hrs. cr.

Beginning Printmaking

Procedures, techniques and fundamentals of the relief, intaglio process: etching, drypoint, aquatint, softground; collagraph printmaking and monotypes. Emphasis on drawing and design. Six studio hrs. per week. Lab fee required. Prerequisite: Art 130.

Art 315 (S)

3 hrs. cr.

Computer Design II

Advanced course desgined primarily for the use of Illustrator and Photoshop on a Macintosh platform. Topics will include, photo editing and creative illustration. Preparation techniques for pre-press setup will be covered. Prerequisite: Art 215 or approval of instructor.

Art 321 (F and/or S) **Advanced Sculpture** 3 hrs. cr.

3 hrs. cr.

Extension of Beginning Sculpture with introduction to the lost wax technique of casting bronze sculpture. Each student is permitted to cast one piece per semester. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6

credit hrs. Prerequisite: Art 211.

Art 322 (F and/or S)

Advanced Sculpture Continuation of Art 321. Six studio hrs. per week.

Lab fee required. May be repeated for a total of 6

Art 325 (F)

3 hrs. cr.

Graphic Communications I

Introduction to commercial art with an emphasis on the recognition, duplication, function and aesthetic use of typography/pictorial images as a visual language. Includes lettering, layout and type/image relationships. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101, Art 105 and Art 130.

Art 330 (F and/or S)

3 hrs. cr.

Advanced Jewelry Design/Metalsmithing

Exploration of advanced methods and techniques of complex forms for jewelry and metalsmithing design. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 205 or approval of instructor.

Art 350 (S)

3 hrs. cr.

Graphic Communications II

Continued study of Graphic Communications I with an emphasis on the design and preparation of two-dimensional projects for printing and/or video reproduction. Includes an introduction to the development of an individual portfolio. Six studio hrs. per week. Lab fee required. Prerequisite: Art 325.

Art 401 (F and/or S)

3 hrs. cr.

Advanced Painting

Students select an individual problem for selfdevelopment using a variety of media. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 130 and Art 232.

Art 407 (F and/or S)

3 hrs. cr.

Advanced Ceramics

Advanced methods, techniques and procedures of pottery making and design in clay. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 120 or approval of instructor.

Art 420 (F and/or S)

3 hrs. cr.

Special Projects in Art I

Advanced studio survey selected by the student in a particular area of art. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper documenting the special project(s). Prerequisite: Completion of 2 advanced courses in the same area of concentration and approval of instructor and department head. Lab fee required. May be repeated for a total of 6 credit hrs.

Art 421 (F and/or S)

Life Drawing

Drawing and/or painting the human figure with emphasis on anatomy, structure and form. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisites: Art 130 and Art 232or Art 300.

Art 425 (F) 3 hrs. cr. **Graphic Communications III**

Continued study of Graphic Communications II with an emphasis on the design and preparation of two and three-dimensional projects for printing and/or video reproduction. Includes an introduction to computer-aided graphic techniques and equipment. Six studio hrs. per week. Lab fee required. Prerequisite: Art 350.

Art 430 (F and/or S) 3 hrs. cr. Advanced Printmaking

Stencils (silkscreen), lithographic, advanced intaglio, relief and monoprint processes. Advanced studio methods for color registration and mixed media procedures. Emphasis on design, drawing concept, technical proficiency and presentation. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 312 or approval of instructor.

Art 440 (F and/or S) 3 hrs. cr. Special Projects in Art II

Same as Art 420. May be repeated for a total 6 credit hrs. Lab fee may be required.

Art 450 (S) 3 hrs. cr.

Graphic Communications IV

Advance study of graphic design layout, production and/or video reproduction. Includes advanced projects with computer-aided graphic techniques and equipment. Completion of an individual portfolio is required. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 425.

Art 475 (Demand) 1-8 hrs. cr. **Graphic Communications Internship**

An off-campus work experience in a professional setting for advanced art majors with a graphic communications emphasis. All internships must conform with institutional policy regarding the number of hrs. per credit and with contractual agreements involving the cooperating organization. Prerequisite: 6 hrs. of graphic communications, junior standing or above and approval of departmental committee.

Art 490 (F) 2 hrs. cr. **Senior Exhibit**

Prepares senior art majors for their exhibit which is normally scheduled during spring in the Spiva Art Gallery. One hr. lecture, 2 hrs. of studio per week. Prerequisite: Senior standing and permission of the Junior Review Committee.

Art 498 1-3 hrs. cr. Art Seminar

For upper division Art majors or related majors. Topics and methods of current interest not included in other courses. Enrollment by permission of seminar instructor or department head required. Prerequisites to be determined by Art Department.

Art 499 (F and/or S) 1-3 hrs. cr. **Independent Study**

An in-depth study of some specialized topic or project not considered in the art department course offerings. An adviser from the art faculty will structure the independent study with the approval of the department head. Prerequisite: At least 90 hours completed and an overall cumulative GPA of 3.0 or higher. Enrollment must be approved by the department head and school dean.

Biology

Reynolds Hall 210, 625-9376

Faculty Messick - Head, Adams, Bay, Fletcher, Jackson, Lawson, Schlink, Stebbins, Tillman, Wells

Biology, biology education and environmental health technology majors take a required core of fundamental courses. Requirements to complete these majors allow students to specialize and prepare for graduate school, professional school or specific careers. Support courses in mathematics and the physical sciences supplement courses in the major.

The biology department offers Bio 101, General Biology, to satisfy the Core Curriculum requirement of a biological science course with a laboratory. Bio 121, General Zoology, satisfies the biological science requirement for students in nursing, most associated degree programs that are health related, and certain other majors. Students meeting the core requirement with Bio 121 usually take additional biology courses, as well.

Bachelor of Science with a Major in Biology (Major Codes 0401-0409)

Semester Hours

Core Requirements (p. 43) 51* 39 Computer Literacy Requirement determined				
by biology	department	2-3		
Biology Re	quirements	40		
Bio 101	General Biology	4		
Bio 112	Botanical Survey**	3		
Bio 122	Zoological Survey**	3		
Bio 210	Molecular & Cellular			
	Biology**	4		
Bio 231	General & Medical			
	Microbiology**	5		
Bio 305	Genetics**	4		

	Elective**	3-4	
Bio	Upper Division Zoology		
	Elective**	4-5	
Bio	Upper Division		
	Ecology Elective**	4	
Bio	Electives	3-5	
	Requirements		25
Math 140	Algebra and Trig**		
(Math 112	+ Math 130 = Math 140)		
OR			
Math 150	Calculus with Analytic		
	Geometry I**	5	
Chem 101	General Chemistry I**	5	
Chem 102	General Chemistry II**	5	
Chem 300	Intro to Modern Organic		
	Chemistry**		
OR			
Chem 301	Organic Chemistry I**	5	
Phys 151	Elem College Physics I**	5	
Electives		21-22	2
		128	**

Seminar**

Upper Division Botany

*Required courses in biology, chemistry, mathematics and physics satisfy major requirements and 12 hours of the Core Curriculum.

**See Prerequisites

Bio 490

Bio

***Must include at least 40 upper division (300 - 400 level) hrs.

Biology majors satisfy the Writing Intensive (WI) requirement by completing Eng 101 and 102 (or their equivalent) and three WI classes. Two of the three must be upper division and at least one of the two must be in the major. Preprofessional students may need additional or different courses to meet admission requirements. See the explanation following the suggested order of study, and consult the appropriate adviser. Additions for preprofessional students are not required for the B.S. in Biology.

Bachelor of Science in Education with a Major in Biology

(Major Code 0840)

Unified Science With an Endorsement in Biology

	Semes	ter Hours				
Core Requ	Core Requirements (p. 43) 36					
Educ 301	Use of Computer Soft	ware				
	in the Classroom	3				
Biology Requirements 35-36						
Required	Required Biology Courses 10					
Bio 101	General Biology	4				
Bio 112	Botanical Survey**	3				
Bio 122	Zoological Survey**	3				

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chemistry	ogy, Genetics, Cell Biology & , and Evolution	& Bio- 18
Bio 305	Genetics**	4
Bio 210	Molecular and Cellular	
	Biology**	4
Bio 231	General and Medical	
	Microbiology**	5
Bio 306	Human Physiology and	
	Anatomy**	
OR	,	
Bio 331	Comparative Vertebrate	
5.0 55.	Anatomy**	5
Botany - s		3-4
Bio 271	Principles of Plant	•
5.0 27 .	Propagation (3)**	
Bio 316	Economic Botany (3)**	
Bio 322	Taxonomy of Flowering	
510 322	Plants (4)**	
Bio 371	Plant Physiology (4)**	
Bio 440	Plant Pathology (4)**	
DIO 110	Trainer actionogy (4)	
Ecology -	select one:	4
Bio 312	Environmental Biology (4)	**
Bio 402	General Ecology (4)**	
Bio 402 Bio 481	General Ecology (4)** Aquatic Ecology (4)**	
Bio 481	Aquatic Ecology (4)**	
Bio 481 Supportin	Aquatic Ecology (4)** g Requirements	35
Bio 481 Supportin Phil 420	Aquatic Ecology (4)**	
Supportin Phil 420 OR	Aquatic Ecology (4)** g Requirements Philosophy of Science**	35
Supportin Phil 420 OR Approved	Aquatic Ecology (4)** g Requirements Philosophy of Science** Substitute	35
Supportin Phil 420 OR Approved Math 140	Aquatic Ecology (4)** g Requirements Philosophy of Science** Substitute Algebra and Trig**	35
Supportin Phil 420 OR Approved Math 140 (Math 112	Aquatic Ecology (4)** g Requirements Philosophy of Science** Substitute Algebra and Trig** 2 + Math 130 = Math 140)	35 3 5
Supportin Phil 420 OR Approved Math 140 (Math 112 Chem 101	Aquatic Ecology (4)** g Requirements Philosophy of Science** Substitute Algebra and Trig** 2 + Math 130 = Math 140) General Chemistry I**	35 3 5
Supportin Phil 420 OR Approved Math 140 (Math 112 Chem 101 Chem 102	Aquatic Ecology (4)** g Requirements Philosophy of Science** Substitute Algebra and Trig** 2 + Math 130 = Math 140 General Chemistry I** 2 General Chemistry II**	35 3 5 5 5
Supportin Phil 420 OR Approved Math 140 (Math 112 Chem 101 Chem 102 Phys 151	Aquatic Ecology (4)** g Requirements Philosophy of Science** Substitute Algebra and Trig** 2 + Math 130 = Math 140) General Chemistry I** 2 General Chemistry II** Elem College Physics I**	35 3 5 5 5 5
Supportin Phil 420 OR Approved Math 140 (Math 112 Chem 101 Chem 102 Phys 151 Phys 152	Aquatic Ecology (4)** g Requirements Philosophy of Science** Substitute Algebra and Trig** 2 + Math 130 = Math 140) General Chemistry I** 2 General Chemistry II** Elem College Physics I** Elem College Physics II**	35 3 5 5 5 5 4
Supportin Phil 420 OR Approved Math 140 (Math 112 Chem 101 Chem 102 Phys 151 Phys 152 Geo 110	Aquatic Ecology (4)** g Requirements Philosophy of Science** Substitute Algebra and Trig** 2 + Math 130 = Math 140) General Chemistry II** Elem College Physics I** Elem College Physics II** Intro to Geology	35 3 5 5 5 4 5
Supportin Phil 420 OR Approved Math 140 (Math 112 Chem 101 Chem 102 Phys 151 Phys 152 Geo 110 Phys 180	Aquatic Ecology (4)** g Requirements Philosophy of Science** Substitute Algebra and Trig** 2 + Math 130 = Math 140) General Chemistry II** Elem College Physics I** Elem College Physics II** Intro to Geology Intro to Meterology	35 5 5 5 4 5 3
Supportin Phil 420 OR Approved Math 140 (Math 112 Chem 101 Chem 102 Phys 151 Phys 152 Geo 110 Phys 180	Aquatic Ecology (4)** g Requirements Philosophy of Science** Substitute Algebra and Trig** 2 + Math 130 = Math 140) General Chemistry II** Elem College Physics I** Elem College Physics II** Intro to Geology	35 5 5 5 4 5 3 41

Completion of the Biology Education program qualifies you to teach introductory level courses in biology, chemistry, earth science and physics, and to teach advanced courses in biology.

*Required courses in biology, chemistry, mathematics, physics and psychology satisfy major requirements and 15 hrs. of the Core Curriculum.

**See Prerequisites

Biology majors satisfy the Writing Intensive (WI) requirement by completing Eng 101 and 102 (or their equivalent) and three WI classes. Two of the three must be upper division and at least one of the two must be in the major.

Minors in Biology

Minor in Biology (botany-horticulture emphasis, minor code BIOB)

		Semester F	lour
Che	m 100	Introductory Chemistry	5
Bio	101	General Biology	4
Bio	112	Botanical Survey*	3
Bio	316	Economic Botany*	3
Bio	271	Prin of Plant Propagation*	3
Bio	440	Plant Pathology*	4
Bio	322	Taxonomy of Flowering	
		Plants*	4
Bio	332	Intro to Entomology*	4
Bio	499	Problems in Biology (1-3)*	
OR			
Bio	450	Internship in Biology (1-8)*	1-8
		3	1-38

Minor in Biology (zoology-health science emphasis, minor code BIOZ)

Bio 101	General Biology	4
Bio 122	Zoological Survey*	3
Bio 331	Comparative Anat (5)*	
OR		
Bio 201	Human Anatomy (4)*	4-5
Bio 431	Animal Physiology*	
OR	, 0,	
Bio 301	Human Physiology*	4
Bio 433	Histology (4)*	
OR	0,	
Bio 462	Embryology (5)*	4-5
Bio 422	Invertebrate Zoo (5)*	The latest
OR		
Bio 361	Parasitology (4)*	4-5
Bio 499	Problems in Biology*	1-3
010 133	Troblems in biology	24-29
		4-4-41

Minor in Biology (environmental health emphasis, minor code RIFH)

IIIIIIOI COU	ie Dilli)	
Bio 101	General Biology	4
Bio 231	General and Medical	
	Microbiology*	5
Bio 312	Environmental Bio*	4
Bio 499	Problems in Bio (1-3)*	
AND/OR		
Bio 450	Internship in	
	Biology (1-8)*	1-8
Upper Div	vision Bio or Env	
	Health Electives	7-9
		21-30

Minor in Biology (microbiology & biotechnology emphasis, minor code BIOM)

Bio 361	Parasitology* **	4
Bio 362	Virology*	4
Bio 442	Pathogenic Bacteriology*	5
Bio 456	Immunology*	4
Select one:	2	2-5
Chem 351	Biochemistry (4)*	
Bio 308	Pathophysiology (4)* **	
Bio 331	Comparative Vertebrate	
	Anatomy (5)* **	
Bio 350	Antibiotic Resistance (2)*	
Bio 380	Epidemiology (3)*	
Bio 433	Histology (4)* **	
Bio 462	Embryology (5)* **	
Bio 481	Aquatic Ecology (4)* ***	
		19-22
*Soo proroc	quicitos	

See prerequisites

**Satisfies upper division zoology requirement for biology major

***Satisfies upper division environmental requirement for biology major

Suggested Order of Study

Bachelor of Science

Major codes 0401, 0402, 0403, 0404, 0405, 0406, 0407, 408, 409 **Biology Major**

Freshman Year 1st Semester

Course

Course		Hours
Bio 101	General Biology	4
CORE	[Eng 101 Comp I]	3
CORE	[Kine 101 Physical Activity]	1
CORE	[Hist 110 U.S. History]	3
CORE	[Humanities and Fine Arts]	3
Psy 120	College Orientation	1
		15
2nd Semeste	er salata	
Bio 122	Zoological Survey (Bio 101)	3
Math 140	Algebra and Trig	5
CORE	[Eng 102 Comp II]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc] 3
		17
Sonhomore	Year	

Son	homore	Van

Sopilomore	i cui	
1st Semeste	r	
Bio 112	Botanical Survey (Bio 101)	3
Bio 231	Gen & Med Micro (Bio 101)	5
Chem 101	Gen Chemistry I (Math 140)	5
CORE	[Econ 180 Amer Econ Sys]	3

	2nd Semest	ter	A Parks	Preprofessional - Optometry	Mr. David	d Tillman (Predental, Physic	cal and
	Bio 305	Genetics (Bio 101)	4	(Major code 0403)		onal Therapy)	
	Bio 210	Molecular & Cellular Bio	Y PART	Math 150 Calculus with Analytical Geometry I		eynolds Hall 317D	
		(Bio 112, 122, Chem 102)	4	Math 310 Elementary Statistics	Phone: 6		
	Chem 102	Gen Chem II (Chem 101)	5		Thome. o.	23-9090	
	Bio 303	Comp App in Bio (consent)		Phys 152 Elementary College Physics II			
	OR		THE PARTY	AND			
	Approved of	computing course	2-3	Chem 302 Organic Chemistry II	Bachelor	of Science in Education	
			5-16	Students may apply to some optometry	Major Cod	de 0840	
				schools without a degree, and after complet-		cience with Biology Endors	ement
	Junior Year		-19-37	ing certain required courses.		200.87	
	1st Semeste	r	the make	ing certain required courses.	Freshman \	Vear	
	Bio 331	Compar Verte Anat (Bio 122) 5	Proprefessional Dontistry	1st Semeste		
	Chem 301	Org Chemistry I (Chem 102)	5	Preprofessional - Dentistry	Course		Hours
	Phys 151	Elem Col Phys I (Math 140)	5	(Major code 0404)	Bio 101	General Biology	4
	CORE	[International Cultural Stu]	3	Phys 152 Elementary College Physics II	CORE	[Eng 101 Comp I]	3
			18	AND	Math 140	Algebra & Trig	5
				Chem 302 Organic Chemistry II	Educ 100	Orientation to Education	1
•	2nd Semest	er and the same an	initia	State of the state	Psy 100	General Psychology	3
	Bio 431	Animal Physiology (Bio 331)		Preprofessional - Veterinary	Psy 120	College Orientation	1
	OR	ME TO TO HE WAS THE DE	and the same	(Major code 0405)	1 Sy 120	College Orientation	17
	Bio 433	Histology (Bio 112, 122)					17
	OR		The same	Chem 351 Biochemistry	2nd Semest	tor	
•	Bio 462	Embryology (Bio 331)	4-5	Students may apply to some veterinary schools	Bio 122	Zoology Survey (Bio 101)	3
	Bio 322	Plant Taxonomy	4	without a degree, and after completing cer-	Bio 231	Gen/Med Microbio (Bio 101)	
	CORE	[Humanities and Fine Arts]	3	tain required courses.	CORE	[Humanities and Fine Arts]	3
	CORE	[Humanities and Fine Arts]	3	the second of th	Chem 101	General Chemistry I	5
	CORE	[Hist 320 U.S. 1877-Present]	3	Preprofessional - Pharmacy	Chemitor	General Chemistry I	16
•			7-18	(Major code 0406)			10
			the second		Summer Se	mostor	
	Senior Year		911 1031	Math 150 Calculus with Analytical Geometry	CORE	[Humanities & Fine Arts]	2
	1st Semeste			OR		[Eng 102 Comp II]	3
	Bio 362	Virology (Bio 231, 305)	4	Math 302 Calculus for Management	CORE	[Eng 102 Comp II]	3
•	Bio 371	Plant Phys (Bio 112, 210)	4	and the Social Sciences			6
	Bio 490	Seminar (consent)		AND	c 1	V	
	Bio	Electives	2	Chem 302 Organic Chemistry II	Sophomore		
	CORE	[Behavioral Science]	3	Students may apply to some pharmacy	1st Semeste		
	CORE	[Kine 103 Lifetime Wellness]	1 2		Take C-Bas		2
	CORL	[Kine 103 Elletime Wellness]	16	schools without a B. S. degree and after	Bio 112	Botanical Survey (Bio 101)	3
			10	completing certain courses specific to differ-	Chem 102		5
	2nd Semest	or		ent programs. The Preprofessional Associate	CORE	[Kine 101 Physical Activity]	1
	Bio 402	Ecology (Bio 112, 122)		of Arts Degree (p. 111) is an option for these	Educ 200	Orientation to Education II	1
	OR	Ecology (Bio 112, 122)		students.	Phys 180	Intro to Meterology	3
	Bio 481	Aquatic Ecology (Bio 122)			Psy 301	Adolescent Psychology	3
	Bio 456	Immunology (Bio 231, 305)	4	Preprofessional - Physical or Occupational			16
-	Bio 436	Electives	9				
	DIO	Electives		Therapy	2nd Semest		
	15		17	(Major code 0407)		dmission to teacher education.	
		t Recommendations]		Phys 152Elementary College Physics	Phys 151	Elem Col Phys I (Math 140)	5
	(Prerequisite	es)		Psy 320 Applied Statistics for the Behavioral	Bio 305	Genetics (Bio 101)	4
				and Natural Sciences	Educ 301	Computer Software	3
		nust satisfy Writing Intensi	ive re-	AND	Educ 302	[Psy 302] The Excep Child	2
	quirement	s. (See p. 44)		certain other courses specific to different	CORE	[Hist 110 U.S. 1877-Present]	
	and the second						17
	Although n	not required for the B.S. in Bi	ology	programs.			
		ents may need additional c			Summer Se		
				For additional information contact:	CORE	[Humanities and Fine Arts]	3
		lmission requirements for p	protes-	Dr. John Messick	CORE	[Comm100 Oral Comm]	3
	sional or g	raduate school:	7	Office: Reynolds Hall 215			6
			11/1	Phone: 625-9617			
	Preprofess	ional - Medicine		11101101 023-3017			
	(Major coo		THE THE	Dr. Carald Cablink (Dance dining)			
		Elementary College Physics	11	Dr. Gerald Schlink (Premedicine)			

Dr. Scott Wells (Preoptometry, Preveterinary)

Office: Reynolds Hall 313B

Office: Reynolds Hall 309 Phone: 625-9510

Phone: 625-9764

Phys 152 Elementary College Physics II

Chem 302 Organic Chemistry II

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	•	
Junior Year		
1st Semester		
	Competencies.	
Educ 329	Ped Theo, Meth & Prac	4
Educ 323	Microteaching	
Educ 423	Classroom Management	2 2
CORE	[Kine 103 Lifetime Wellness]	
Psy 310	Education Psychology	2 2
Phil 402	Philosophy of Science	
OR		
Approved Su	bstitute	3
	Elem Coll Phys II (Phys 151)	4
		19
2nd Semeste		
Bio 402 OR	General Ecology (Bio 112, 1	22)
Approved Ec	cology Elective	4
Bio 210	Molec & Cellular Bio	
	(Bio 122, 122, Chem 102)	4
Bio 322 OR	Taxonomy of Flowering Plan	ts
	otany Elective	3-4
	Tchng Rdng in Sec School	2
CORE	[Econ 180 Amer Econ System	
		-17
Summer Sen	nester	
CORE	[Hist 320 U.S. 1877-Present]	3
Senior Year		
1st Semester		
	ident teaching. All course wo	
	ed except for Professional Se	emester
courses.		
Bio 306	Human Physiology & Anator	ny
0.0	(Bio 121 or consent)	
OR Di 221	Comment North Instruction Assets	
Bio 331	Compar Vertebrate Anatomy	
CORE	(Bio 122) [PSc 120 Gov't:U.S./St/Loc]	5
CORE Geo 110	Intro to Geology	5
CORE	[International Cultural Stud]	3
CORE	[international Cultural Stud]	16
		10
2nd Semeste	er	
Educ 333	Tching Sci in Sec Sch	3
Educ 402	Foundations of Education	2
Educ 432	Critical Issues	2
Select One:		
Educ 412	Indivi Curr Development (2)	
OR		
Educ 420 OR	Intro to Counseling (3)	
Psy 412	Meas & Eval (2)	2-3
, –		

(Prerequisites)

Educ 462

[Department Recommendations] -not necessarily in this order

Stu Tchng in Sec School

17-18

Program must satisfy Writing Intensive requirements. (See page 44.)

For additional information contact:

Mr. Mike Lawson

Office: Reynolds Hall 313A

Phone: 625-9730

Course Descriptions

Bio 101 (F, S) 4 hrs. cr. **General Biology**

General treatment of unifying principles of living organisms including cell structure and function, metabolism, genetics, evolution and ecology. Emphasis on these biological principles as they relate to humans. Three lectures, one 2-hr. lab per week. Fulfills Core Curriculum requirement in Area 3, section A for most majors.

Bio 112 (F, S) 3 hrs. cr.

Botanical Survey

Morphology, physiology and classification of plants are studied with emphasis on diversity of plants. Two lectures, one 2-hr. lab per week. Prerequisite: Bio 101.

Bio 121 (F, S) 4 hrs. cr.

General Zoology

Introduction to the basic principles of human cytology, histology, metabolism and genetics. Emphasis on anatomy and physiology of humans in preparation for Bio 306. Three lectures, one 2-hr. lab per week. Not for Biology majors. Fulfills Core Curriculum requirement for physical education and certain health related technology majors.

Bio 122 (F, S) 3 hrs. cr. **Zoological Survey**

Morphology, physiology and classification of animals with emphasis on the diversity of animals. Two lectures, one 2-hr. lab per week. Prerequisite: Bio 101 or 121.

Bio 201 (S) 4 hrs. cr.

Human Anatomy

A general treatment of human anatomy from the tissue through the organ system levels of organization. The lecture provides the conceptual and organizational framework for laboratory, which utilizes microscopy, dissection, anatomical models, and anatomical software. Three hours of lectures, one 3 hr. lab per week. Credit toward the biology major granted for one anatomy course: Bio 201 or 306. Prerequisite: Bio 101.

Bio 210 (F, S) 4 hrs. cr.

Molecular and Cellular Biology

(Writing Intensive)

Physiological characteristics and function at the cellular and molecular levels of both plant and animal cells. Three lectures, one 2-hr. lab per week. Prerequisites: Bio 112, 122, Chem 102.

Bio 231 (F, S) 5 hrs. cr.

General and Medical Microbiology

Structure and function of microorganisms. Topics include general principles of microbiology, immunology and identification of microorganisms. Three lectures, two 2-hr. labs per week. Prerequisite: Bio 101 or 121.

Bio 240 (S)

3 hrs. cr.

Radiation Biology

Survey of various types of radiation affecting humans, the uses of radiation and methods for monitoring radiation levels. Emphasis on the physiological damage that occurs to tissues following ionizing radiation. Three lectures per week. Prerequisites: Five hrs. of chemistry or acceptance into the School of Radiologic Technology.

Bio 261 (Demand)

Animal Nutrition

3 hrs. cr.

Fundamental principles of animal nutrition with special emphasis given to applied nutrition and life-cycle feeding of domestic animals. Three lectures per week. Prerequisite: Bio 210.

Bio 271 (Demand)

3 hrs. ci

Principles of Plant Propagation

Principles of plant propagation, emphasizing three specific areas: the physiology of plant growth and the anatomy of plants as topics related to propagation; propagation methods; and technical skills such as budding, grafting and making cuttings. Two lectures, one 2-hr. lab per week. (Does not count toward a biology major.)

Bio 290 (Demand)

2 hrs. cr.

Research Methods in Biology

Development of investigational and technical skills required in environmental health, biology and related fields. Familiarizes students with research design and statistical analysis. Two hours of lecture per week. Recommended for students who wish to enroll in Bio 499 Problems in Biology. Prerequisite: Bio 101 and Math 140.

Bio 298 (Demand)

1-8 hrs. cr.

Selected Topics in Biology

Specific topic or topics not normally included in another course. Prerequisites: Bio 101.

Bio 301 (F)

4 hrs. cr.

Human Physiology

A general treatment of normal human physiology which emphasizes physiological control and homeostasis at the organ system level of organization. Lecture focuses on physiological processes and concepts; the lab emphasizes the measurement of physiological variables. Three hours of lecture and one 3 hr. lab per week. Credit toward the biology major granted for one physiology course: Bio 301, 306 or 431. Prerequisite: Bio 201.

Bio 303 (Demand)

2 hrs. cr.

Computer Applications in Biology

Explores ways in which microcomputers are used to better understand and study biological phenomena. Satisfies the computer literacy requirement for biology and environmental health majors. One lecture, 3-hrs. of lab per week. Prerequisites: Bio 101.

Bio 305 (F, S)

4 hrs. Cr.

Genetics (Writing Intensive) Introduction to principles of heredity, gene structure, expression and regulation. Emphasis on cytological and molecular approaches to nucleic acid replication, transcription, translation and other genetic mechanisms. Lab exercises illustrate genetic principles and techniques used in modern genetic research. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 101.

Bio 306 (F, S)

5 hrs. cr.

Human Physiology and Anatomy

Structure and function of the human body with emphasis on physiological processes and their anatomical basis. Three lectures, two 2-hr. labs per week. Credit toward the biology major granted for one physiology course: Bio 301, 306 or 431. Prerequisite: Bio. 121 or permission.

Bio 308 (Demand) **Pathophysiology**

4 hrs. cr.

Altered physiological states, the cellular manifestations and causes of disease and adaptation to the alterations. Three lectures, one 3-hr. lab per week. Prerequisite: Bio 301 or 306.

Bio 312 (F) 4 hrs. cr. **Environmental Biology** (Writing Intensive) Environmental factors and their interactions with living organisms. Emphasis on human ecology and wise natural resource utilization. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 112 and

122 or permission. (Double listed in Environmental Health Technology.)

Bio 316 (F)

3 hrs. cr.

Economic Botany

Economic uses of plants and present and possible future value of lower plants. Emphasis on economic aspects of higher plants from an agricultural, horticultural and crop selection viewpoint as well as from a view of pharmacological usage, etc. Three lectures a week. Prerequisite: Bio 101.

Bio 322 (S)

4 hrs. cr.

Taxonomy of Flowering Plants

Relationships among selected plant groups with emphasis on classification and descriptions of taxa, nomenclature and concepts concerning the evolutionary sequence of various plant characters. Southwestern Missouri flora emphasized. Two lectures, two 2-hr. labs per week. Prerequisite: Bio

Bio 331 (F)

5 hrs. cr.

Comparative Vertebrate Anatomy

Fundamental course designed to enhance understanding and appreciation of the structure and adaptions of vertebrates. Emphasis on evolution and the relationship between structure and function. Two lectures, two 3-hr. labs per week. Prereguisite: Bio 122.

Bio 332 (F, Even)

4 hrs. cr.

Introduction to Entomology

Collecting methods, taxonomy, life history, morphology and evolution of insects. Three lectures, one 3-hr. lab per week. Prerequisite: Bio 122.

Bio 350 (Demand)

2 hrs. cr.

Techniques in Microbiology

Training in molecular techniques in microbiology through analysis of bacterial antibiotic resistance patterns and their medical ramifications. Includes the origin, incidence, effects, and prevention of antibiotic resistance. Techniques include screening and harvesting plasmid DNA and transference of plasmid DNA. Prerequisite: Bio 231.

Bio 352 (Demand)

Riomes

2 hrs. cr.

mission

Indepth study of a selected ecosystem. The interactions between plants and animals with their abiotic environment is studied in the classroom and during an extended field trip usually lasting one week or more. The habitat chosen for study varies from year to year and some trips require physical conditioning or specialized training. Living conditions range from primitive to reasonably comfortable dormitories. Students are required to bear the cost of the trip. Prerequisites: Bio 112, 122 and permis-

Bio 361 (F, Even)

4 hrs. cr.

Parasitology

Systematic investigation of the numerous parasites found in vertebrates. Emphasis on life cycles of parasites which infect humans and domestic animals. Three lectures, one 3-hr. lab per week. Prerequisite: Bio 122.

Bio 362 (F, Odd)

4 hrs. cr.

Structure, classification and life cycles of bacterial, animal and plant viruses, their significance in disease (including cancer) and the use of viruses in modern biological research. The laboratory will stress the cultivation of viruses in bacterial and other cells. Three lectures, one 3-hr. lab per week. Prerequisites: Bio 231 and 305.

Bio 370 (Demand)

3 hrs. cr.

Environmental Health

Contemporary environmental health problems and public protection measures, including public health disease prevention and environmental health hazards. Three lectures per week. Prerequisite: Bio 231. (Double listed in Environmental Health Technology.)

Bio 371 (S, Odd)

4 hrs. cr.

Plant Physiology

Introduction to plant physiology emphasizing a review of the cell, plant biochemistry, regulation of plant development and factors producing physiological stress in plants. Three lectures, one 2-hr. lab per week. Prerequisites: Bio 112 and 210.

Bio 380 (S. Odd)

Epidemiology

Introduction to the concepts, principles and methods useful in the surveillance and investigation of communicable disease. Prerequisites: Bio 290. (Double listed in Environmental Health Technology.)

Bio 402 (S)

4 hrs. cr.

General Ecology (Writing Intensive) Study of plant and animal communities and their interaction within the environment. Emphasis on flora and fauna of Southwest Missouri and soils. climate and other major environmental factors responsible for the distribution and association of plants and animals. Three lectures, one 3-hr. lab per week. Prerequisites: Bio 112 and 122 or per-

Bio 422 (Demand)

5 hrs. cr.

Invertebrate Zoology

Classification, morphology, physiology, development and evolution of invertebrate animals. Three lectures, two 2-hr. labs per week. Prerequisite: Bio 122.

Bio 431 (Demand) **Animal Physiology** 4 hrs. cr.

Comparative approach to the physiology of animals with emphasis on laboratory studies of both mammalian and non-mammalian vertebrates.

Three lectures and one 3-hr. lab per week. Credit toward the biology major granted for one of the following: Bio 301, 306 or 431. Prerequisite: Bio

Bio 433 (S, Even)

4 hrs. cr.

Histology

Detailed study of microscopic structure of animal tissues and organs with special emphasis on mammalian tissue. Three lectures, one 3-hr. lab per week Prerequisite: Bio 122.

Bio 440 (F, Odd) **Plant Pathology**

4 hrs. cr.

Historical significance of plant pathology, the physiological response of plants to abiotic factors, the anatomical and physiological aspects of plant susceptibility to disease and examples of management systems. Includes major diseases caused by bacteria, fungi and viruses. Three lectures, one 2hr. lab per week. Prerequisite: Bio 112.

Bio 442 (S, Even)

5 hrs. cr.

Pathogenic Bacteriology

A basic study of the structure, identification and pathology of the infectious bacteria. Three hours of lecture and two 2-hr. labs per week. Prerequisite: Bio 231.

Bio 450 (F, S)

1-8 hrs. cr.

Internship in Biology

In conference with a departmental board a half semester in advance, the student shall elect to work and observe in any area of applied biology in which on-the-job experience would be beneficial to the student's training. Prerequisites: At least a second semester junior standing in biology with a minimum of 20 biology hrs. and 20 senior hrs. or permission.

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Bio 456 (S, Even)

4 hrs. cr.

Immunology

Cellular and molecular basis of the immune response in vertebrates including structure, induction and regulation of the immune response. Autoimmune disorders, vaccines, transplantation and diagnostic immunology will also be presented. The laboratory will stress the induction and manipulation of the immune response. Three lectures and one 3-hr. lab per week. Prerequisites: 231 and 305.

Bio 462 (S, Odd)

5 hrs. cr.

Embryology

Detailed comparisons of developmental process of members of the classes of vertebrates. Three lectures, two 2-hr. labs per week. Prerequisite: Bio

Bio 481 (S, Odd)

4 hrs. cr.

Aquatic Ecology

Analysis of components of freshwater systems, both impoundment and stream environments. Three hrs. lecture, one 2-hr. lab per week. Prerequisite: Bio 122.

Bio 490 (F, S)

1 hr. cr.

Seminar

Faculty supervised discussion group concerned with reviews and presentation of reports covering current topics in biology. Students will present reviews in their various areas of interest. One meeting per week. Prerequisites: Primarily for biology majors of junior standing or interested students with at least 15 hrs. of biological science. Bio 490 may be repeated for additional credit.

Bio 498 (Demand)

1-5 hrs. cr.

Seminar in Biology

For upper division majors only. Meets regularly a minimum number of hrs. Designed to give specialized instruction in some discipline of biology not covered in other courses. Prerequisites: Junior standing, 20 hrs. in biology and a minimum GPA of 2.5 in biology or permission.

Bio 499 (F, S)

1-3 hrs. cr.

Problems in Biology

Individual work under the supervision of a staff member, with the credit and hrs. to be arranged. Problems may be undertaken in any field of biology, with adequate preparation and the consent of the supervising instructor, department head and school dean. Prerequisite: Minimum GPA of 3.0 in 20 hrs. of biology.

Chemistry

Revnolds Hall 210, 625-9376

Faculty Baiamonte - Head, Albright, Kash, Mosher, Summerfield, Whittle

Chemistry graduates will find an impressive array of options and exciting opportunities in fields such as basic research, environmental protection, instrumentation, new product and process development, technical marketing, market research, forensic chemistry, teaching at all levels and information science. Moreover, an education in chemistry is valuable in health sciences such as medicine, pharmacology, clinical chemistry and industrial hygiene. The first step into a future in chemistry is a formal education. Since chemistry is such a broad field and holds diverse career opportunities, students should plan their education with a goal in mind.

Bachelor of Arts with a **Major in Chemistry**

Semester Hours

128***

Core Requi	rements (p. 43)	51* 43
Foreign Lar	nguage (four courses in	
one langua	ge)	12
Chemistry	Requirements	28
Chem 101	General Chemistry I**	5
Chem 102	General Chemistry II**	5
Chem 201	Analytical Chemistry I*	* 5
Chem 300	Intro to Modern Organi	С
	Chemistry (5 hrs.) and U	Jpper
	Division Chemistry Elec	ctives
	(8 hrs.)excluding Chem	301
	and Chem 302**	
OB		

Chem 301 Organic Chemistry I (5 hrs.), Chem 302 Organic Chemistry II (5 hrs.), Upper Division

	Chem Electives (3 hrs.)	
	excluding Chem 300**	13
Supporting	Requirements	17
Phys 151	Elementary College	
	Physics I**	5
Phys 152	Elementary College	
	Physics II**	4
Math 150	Calculus with Analytic	
	Geom I**	5
Comp 110	Programming I	
OR		
Higher leve	el computer course	3
Electives		28

*Required chemistry, physics and mathematics courses satisfy major requirements and 8 hours of the Core Curriculum.

**See Prerequisites

***Must include at least 40 upper division (300 - 400 level) hours.

Note: A bachelor of arts degree in chemistry is for students who need some knowledge of chemistry as a basis for work in other fields but who do not expect to become professional chemists.

Bachelor of Science with a **Major in Chemistry**

Semester Hours					
Core Requirements (p. 43) 51* 43					
Chemistry Requirements					
Chem 101	General Chemistry I**	5			
Chem 102	General Chemistry II**	5			
Chem 201	Analytical Chemistry I**	5			
Chem 301	Organic Chemistry I**	5			
Chem 302	Organic Chemistry II**	5			
Chem 401	Physical Chemistry I**	4			
Chem 402	Physical Chemistry II**	4			
Supporting	Requirements	23			
Phys 160	General PhysicsI**	3			
Phys 270	General Physics II**	5			
Phys 280	General Physics III**	5			
Math 150	Calculus with Analytic				
	Geometry I**	5			
Math 250	Calculus with Analytic				
	Geometry II**	5			
Comp 110	Programming I				
OR					
Higher level computer course 3					
Electives***	Electives***				
	12	8****			

*Required chemistry, physics and mathematics courses satisfy major requirements and 8 hours of the Core Curriculum.

**See Prerequisites

***Suggested Electives (Chem 421, Chem 422, Chem 472, Math 260, Math 322, Phys 372, Phys 341)

****Must include at least 40 upper division (300 - 400 level) hours.

Chemistry / 65

Bachelor of Science		Cura	rooted Ouden of Sta	J	Senior Year	r
in Education with a		Sugg	gested Order of Stud	ay	1st Semeste	
				The State of the S	CORE Foreign Lar	[Humanities and Fine Arts] 3
Major in Chemistry		Bachelor o	of Arts		Foreign Lar CORE	nguage 3 [International Cultural Stu] 3
Grades 9-12 Certification		Major Cod			Electives	[international Cultural Sta] 5
Unified Science with a	1971	Chemistry				15
Chemistry Endorsement	1	Circuistry	Wild on the state of the state			
Semester F		F			2nd Semest	
Core Requirements (p. 43) 51*	36	Freshman Y 1st Semeste			Foreign Lar	
Chemistry Requirements	25	Course		Hours	CORE Electives	[Hist 120 or 320 U.S. Hist] 3
Chem 201 Analytical Chemistry I**		Chem 101	Gen Chem I (Algebra & Tri		Liectives	12-13
Chem 301 Organic Chemistry I**	5	Math 150	Calculus I	5		12 13
Chem 302 Organic Chemistry II**	5	CORE	[Eng 101 Comp I]	3		y elect either Chem 300 plus 8 hour
Chem 351 Biochemistry**	4	CORE	[Kine 103 Lifetime Wellnes			vision chemistry (excluding Chem 30
Chem 401 Physical Chemistry I** Chem 496 Problems in Chemistry	4	Psy 120	College Orientation	1		302) or Chem 301 and Chem 302 plu
	2			16		upper division chemistry elective
Supporting Requirements Phil 420 Philosophy of Science	63	2nd Semest	er		(excluding	Chem 300).
	4	Chem 102	Gen Chem II (Chem 101)	5	(Prerequisit	es)
Bio 110 General Biology Bio 112 Botanical Survey**	1000	CORE	[Eng 102 Comp II]	3		nt Recommendations]
Bio 122 Zoological Survey**	4	CORE	[Hist 110 U.S. History]	3	1	
Chem 101 General Chemistry I**	4 5	Electives	(Sec area of concentration)		For addition	onal information contact:
Chem 101 General Chemistry I** Chem 102 General Chemistry II**	5	Comp 110	Programming I	3	Dr. Verno	n Baiamonte
	5			17	Office: Re	eynolds Hall 213
Phys 160 General Physics I**	3	Sophomore	Vear		Phone: 62	5-9541
Phys 270 General Physics II**	5	1st Semeste				
Phys 280 General Physics III** Geol 110 Intro to Geology		Chem 301	Org Chem I* (Chem 102)			
	5	OR	areas all manager charters		Bachelor o	of Science
Geol 180 Intro to Meteorology Math 150 Calculus/Analytic	3	Chem 201	Analy Chem I (Chem 102)	5	Major Coo	de 1905
Geometry I**	5	Phys 151	Elem Col Phys I (Math 140)		Chemistry	Major
Math 250 Calculus/Analytic	3	CORE	[Kine 101 Physical Activity			
Geometry II**	5	Electives	(Sec area of concentration)	5 16	Freshman Y	
Comp 110 Programming I	3			10	1st Semeste Course	er Hours
Select one:	3	2nd Semeste	er		Chem 101	Gen Chem I (Algebra & Trig) 5
Bio 312 Environmental Biology	4	Chem 302	Org Chem II* (Chem 301)		Math 150	Calculus I 5
Bio 402 General Ecology	4	OR			CORE	[Eng 101 Comp I] 3
Bio 481 Aquatic Ecology	4	Chem 300	Intro to Modern Organic		Comp 110	Programming I 3
Geol 300 Environmental Geology	4	Dl 152	Chemistry (Chem 102)	5	Psy 120	College Orientation 1
Education Certification Requirement		Phys 152 CORE	Elem Col Phys II (Phys 151) [PSc 120 Gov't: U.S./Sta/Lo			17
	41-42	Electives	(Sec area of concentration)		and Compet	
	5-166	Licetives	(See area of concentration)	17	2nd Semest Chem 102	Gen Chem II (Chem 101) 5
	3 100				Math 250	Calculus II (Math 150) 5
*Required chemistry, physics, math	emat-	Junior Year			Phys 160	General Physics I (Math 140) 3
ics, psychology and biology courses		1st Semeste			CORE	[Eng 102 Comp II] 3
major requirements and 15 hours of		Chem 201	Analy Chem I (Chem 102)		CORE	[Kine 101 Physical Activity] 1
Core Curriculum.	or the	OR	Il Inner Division Floatival	4.5		17
**See Prerequisites		Chem Foreign Lan	[Upper Division Elective]	3		
See Perequisites		CORE	[Comm 100 Oral Comm]	3	Sophomore 1st Semeste	
Minor in Chemistry		CORE	[Humanities and Fine Arts]		Chem 301	Org Chemistry I (Chem 102) 5
STATE OF THE STATE	, mild	CORE	[Econ 180 Amer Econ Sys]	3	Phys 270	General Physics II
Semester F			16	-17	, 0 = . 0	(Math 150 & Phys 160) 5
Chem 101 General Chemistry I*	5	average felty			Elective	[Math 260 Calc III] (Math 250)5
Chem 102 General Chemistry II*	5	2nd Semeste			CORE	[PSc 120 Gov't: U.S./Sta/Loc]3
Chem 201 Analytical Chemistry I*	5	Chem	[Upper Division Elective]	4		18
Chem 300 or 301 (Organic	_	Foreign Lan		3	2 10	
Chemistry)*	5	CORE CORE	[Psy 100 or Soc 110] [Bio 101 General Biology]	4	2nd Semeste	
	20	CORE	[Humanities and Fine Arts]	3	Chem 302 Phys 280	Org Chem (Chem 301) 5 Gen Physics III (Phys 270) 5
See Prerequisites	1 411		White and the fitter	17	Elective	[Math 322 Differential
	Jode 28				2.000110	Equations] (Math 260) 3
	Hanna I				CORE	[Econ 180 Amer Econ Sys] 3
	1					16

66 / Chemistry

Elective

CORE

CORE

Junior Year	
1st Semester	
Chem 401	Phys Chem I (Math 250, Phys
260)	
OR	
Elective	[Chem 422 Adv Inorg Chem] 4
	(Chem 102, Math 250)
Chem 201	Analy Chem I (Chem 102) 5
CORE	[Comm 100 Oral Comm] 3
CORE	[Kine 103 Lifetime Wellness] 2
CORE	[Hist 110 U.S. History] 3
	17
2nd Semeste	r
Chem 402	Physical Chem II (Chem 401)
OR	
Elective	[Chem 472 Organic Qualitativ Analysis] (Chem 302)

		10	
Senior Year 1st Semester			
Chem 401 280)	Phys Chem I (Math 250, Ph	ys	
OR			
Elective	[Chem 422 Adv Inorganic C	Chem	
	(Chem 102, Math 250)	4	
Elective	[Chem 497 Res in Chem]	1	
CORE	[Humanities and Fine Arts]	3	
CORE	[Hist 120 or 320 U.S. Hist]	3	
CORE	[International Cultural Stu]	3	
		14	

istry II] (Chem 210)

[Chem 421 Analytical Chem-

[Humanities and Fine Arts]

[Bio 101 General Biology]

2nd Semeste	r	
Chem 402	Physical Chemistry II (Chem	1 40
OR		
Elective	[Chem 472 Org Qualitative	
	Analysis] (Chem 302)	4
Elective	[Chem 497 Res in Chem]	2
Elective	[Phys 372 Electronic Circuit	ts]
	(Phys 280)	4
CORE	[Humanities and Fine Arts]	3
CORE	[Psy 100 or Soc 110]	3
		16

(Prerequisites)
[Department Recommendations]

For additional information contact:

Dr. Vernon Baiamonte Office: Reynolds Hall 213 Phone: 625-9541

Course Descriptions

Chem 100 (F, S) 5 hrs. cr. Introductory Chemistry

Basic principles and practical applications of inorganic, organic and biochemistry which satisfies the needs of students in certain health-related programs. Four lectures, one 3-hr. lab per week. Prerequisite: Math 30 or satisfactory score on the Mathematics Placement Test.

Chem 101 (F, S, SS) 5 hrs. cr. **General Chemistry I**

Introduction to theories of chemistry with emphasis on the relationship of structure to properties of matter and the quantitative aspect of these changes. Four lectures, one 3-hr. lab per week. Prerequisite or corequisite: Math 140 or higher level math course.

Chem 102 (F, S, SS) 5 hrs. cr. **General Chemistry II**

Continuation of Chem 101. Emphasis on the dynamics and thermodynamics of chemical processes and on the properties and reactions of analogous groups of cations and anions. Four lectures, one lab per week. Prerequisites: Chem 101 with a minimum grade of "C" or permission of instructor and Math 140 or higher level math course.

Chem 190 (Demand) 1-2 hrs. cr. Laboratory in Chemistry

A lower division laboratory course to be used by students who are transferring chemistry courses without a laboratory to MSSC. This will make the transferred course equivalent to the MSSC course. Class may be repeated for credit as needed.

Chem 201 (F) 5 hrs. cr. Analytical Chemistry I

Standard first course in quantitative chemical analysis. The lecture and lab include the theory and practice of methods of analysis. While the primary emphasis in the first semester is on the interpretation of the experimental results, other aspects of the analytical process are introduced. Three lectures, two 3-hr. labs per week. Prerequisite: Chem 102.

Chem 297 (F, S) 1-3 hrs. cr. Introduction to Research in Chemistry

(Writing Intensive)

Introduction to research techniques; laboratory work and literature search under the supervision of an instructor on a chemical research project. Involves laboratory experimentation as well as a written report on a project from any area of chemistry. Open to students having 1) a minimum of 15 hours of chemistry, 2) freshman or sophomore standing, 3) the ability to undertake independent work and 4) permission of the instructor. Enrollment must be approved by the adviser and the department head.

Chem 298 (F, S) 1-3 hrs. cr.

Selected Topics in Chemistry

Special topics in chemistry not normally included in other courses. Prerequisite: Chem 201 or permission of instructor.

Chem 300 (S) 5 hrs. cr. Introduction to Modern Organic Chemistry

(Writing Intensive)

Principles of organic chemistry—nomenclature, structure, properties, stereochemistry, reactions—will be studied by the functional group approach. Designed for students who require a general knowledge of organic chemistry in their chosen career or as background for other courses in technical or professional training programs. Four lectures, one 3-hr. lab per week. Prerequisite: Chem 102.

Chem 301 (F) 5 hrs. cr.

Organic Chemistry I

Deals with both Aliphatic and aromatic compounds, their nomenclature, properties, reactions, stereochemistry. The functional group approach is used: hydrocarbons (saturated, unsaturated, aromatic) and their derivatives are studied. Brief introduction to organic spectroscopy included. Four lectures, one 3-hr. lab per week. Prerequisite: Chem 102.

Chem 302 (S) 5 hrs. cr.

Organic Chemistry II (Writing Intensive)
Continuation of Chem 301. Organic-spectroscopy discussed in detail. The functional group approach is continued: Aryl halides, phenyls, aldehydes and ketones, carboxylic acids, amines and polyfunctional compounds are covered. A mechanistic treatment of substitution, elimination, addition and free radical reactions is employed. Organic spectroscopy emphasized in both lecture and lab. Four lectures, one 3-hr. lab per week. Prerequisite: Chem 301.

Chem 320 (S) 2 hrs. cr.

Applications of Computers in Chemistry

Applications of microprocessors and modern microcomputers in chemistry: management of chemical information; chemical data collection, reduction and quantitation; use of remote information systems (via modem); analytical instrument interfacing; publication. Prerequisite: Chem 301 and Comp 110 or higher lever computer science course.

Chem 351 (F) 4 hrs. cr. **Biochemistry** (Writing Intensive) Fundamental concepts of the chemistry of lipids, carbohydrates and proteins with emphasis on the physiological aspects of these compounds. The interrelationship of these compounds in living systems will be presented through bioenergetics and reaction pathways. Three lectures, one 3-hr. lab per week. Prerequisite: Chem 300 or 302.

Chem 390 (Demand) 1-2 hrs. cr.

Laboratory in Chemistry

A upper division laboratory course to be used by students who are transferring chemistry courses without a laboratory to MSSC. This will make the transferred course equivalent to the MSSC course. Class may be repeated for credit as needed.

Chem 401 (F, Odd)
Physical Chemistry I

4 hrs. cr.

For the first section of the class, a microscopic approach to the understanding of chemical and physical properties of chemical systems is taken. The focus is on quantum theory and molecular spectroscopy. In the last part of the class, a macroscopic approach to the understanding of chemical and physical properties of chemical systems is used. Topics include the laws of thermodynamics and the relationships between the properties of chemical systems at equilibrium. Three lectures, one 3-hr. lab per week. Prerequisites: Math 250 and Phys 280.

Chem 402 (S, Odd)

4 hrs. cr.

Physical Chemistry II

Continuation of Chem 401. A microscopic approach (quantum theory) and the macroscopic approach (thermodynamics) to understanding chemical systems are linked using statistical mechanics. Chemical kinetics is also studied. Three lectures, one 3-hr. lab per week. Prerequisite: Chem 401.

Chem 421 (S, Odd)

5 hrs. cr.

Analytical Chemistry II

Continuation of Chemistry 201. A study of the overall analytical process. Lecture and lab deal mainly with electrochemical and spectrophotometric methods of analysis and their application in chemical analysis, but also include other physiochemical and separatory techniques used in modern analytical processes. Three lectures, two 3-hr. labs per week. Prerequisite: Chem 201.

Chem 422 (S, Even)

4 hrs. cr.

Advanced Inorganic Chemistry

Contemporary state of the several bond models in chemistry, a review of the energetics of reactions and coordination theory, followed by the chemistry of the families of the elements in the periodic table. Three lectures, one 3-hr. lab per week. Prerequisites: Chem 102 and Math 250.

Chem 472 (S, Odd)

4 hrs. o

Organic Qualitative Analysis

Systematic identification of organic compounds and mixtures; organic spectroscopy is emphasized. Two lectures, two 3-hr. labs per week. Prerequisite: Chem 302.

Chem 496 (F, S) 2 hrs cr **Problems in Chemistry** (Writing Intensive) A practical research class especially designed for students seeking a bachelor of science in education with a major in chemistry. The class involves laboratory work and a literature search under the supervision of an instructor on a chemical research project. Involves lab experimentation as well as written report on a project from any area of chemistry. Open to students needing a problems course in chemistry to satisfy Missouri Certification Standards for Secondary Teachers in Chemistry. Students must have a minimum of 20 hours of chemistry and permission of the instructor. Enrollment must be approved by the adviser and the department head.

Chem 497 (F, S)

1-3 hrs. cr.

Research in Chemistry (Writing Intensive) Independent research techniques; lab work and literature search under the supervision of an instructor on a chemical research project. Involves lab experimentation as well as a written report on a project from any area of chemistry. Open to students having 1) a minimum of 20 hours of chemistry, 2) junior or senior standing, 3) the ability to undertake independent work and 4) permission of the instructor. Enrollment must be approved by the adviser and the department head.

Chem 498 (F, S)

1-3 hrs. cr.

Seminar

For upper division chemistry majors. Content varies, depending on the student's needs, from library research to special topics in chemistry. Prerequisite: Senior standing or permission of department head.

Chem 499 (F, S)

1-3 hrs. cr.

Independent Study

Independent investigation techniques; includes a paper on a selected topic with both a critical survey of the chemical literature and results from advanced lab experimentation. Open to students having (1) minimum of 25 hrs. of chemistry, (2) ability to undertake independent work and (3) permission of instructor. Enrollment must be approved by adviser, department head and school dean.

Communications

Webster Hall 353, 625-9580

Faculty Massa - Head, Bryant, Burch, Clark, Cramer, Crawford, Hale, Hou, Karmanova, Merriam, Moorman, Sartori, Schweizer, Stebbins, Talavera, Weber, Yocum

A major in communications offers an array of career opportunities in such fields as public communication, television, radio and journalism. In the education process, emphasis is placed on speaking and writing skills as well as gaining technical knowledge related to mass media production and publication. A major in communications is one of the most diversified areas of study available to students who wish to excel in business, industry, government or education at the local, state, national and international levels. Missouri Southern graduates in communications

have found successful careers in the media, in government, in education and in a variety of public relations positions for hospitals, state and national associations, in retailing and in industry.

Students pursuing a bachelor of arts degree in communications have three options. Option I, speech communication, examines the role of human communication in social, organizational, political and cultural interactions. This option places a balanced focus on the theory and practice of communicating. Special emphasis includes identifying the antecedents of communication, its form and content and its consequences. Option II, mass communications, offers students the necessary abilities in planning, preparing and producing programs in electronic media and/or designing and writing for journalism. This option emphasizes the technical skills, creativity and demand for understanding target audiences in mass media. Students gain hands-on experience in television, radio and print laboratories. Option III, international communication, permits a student to develop a field of specialty in global aspects of the communication process. Also available is a bachelor of science degree in education with a teaching emphasis in speech communication and theatre.

The communications department oversees the student operations of Missouri Southern Television with its cable service MSTV and its community station KGCS-LP, in addition to the available media training through PBSaffiliated KOZI in Joplin. The department also manages KXMS, a 24-hour-a-day classical radio station professionally operated with students and community volunteers. Perhaps the most widely recognized contribution of the communications department is The Chart, a student operated college newspaper published once a week. The Chart has been honored by the Society of Professional Journalists as the best non-daily college newspaper in the nation. Additionally, the department publishes Crossroads: the Magazine.

Students also have opportunities to participate in other communications-sponsored activities. The debate and forensics program offers students the chance to develop their critical thinking skills and to participate in events such as informative, persuasive and extemporaneous speaking competitions. Debate and forensics students may join the forensic honor society of Pi Kappa Delta. Communications majors interested in mass media may join Southern's chapter of the

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national broadcast fraternity of Alpha Epsilon Rho and participate in its state, regional and national conventions. The department also sponsors the Modern Communications Club which plans on-campus events and offcampus field trips for students interested in communications activities. The club expands the scope of communications to include foreign language speakers.

Internships are encouraged for communications majors. These internships allow students to gain work experience in occupational positions they may wish to pursue. Students work under the joint supervision of a faculty member and a representative of the organization providing the intern experience.

The communications curriculum acknowledges the diversity and inter-connectedness among peoples, promotes an understanding of human values and prepares its students for leadership in a competitive world.

Core Curriculum requirements for all students of the College include Comm 100, Oral Communication.

Bachelor of Arts with a Major in Communications

Option I: Speech Communication

	Semester	Hours
Core Require	ements (p. 43)	51
	teracy Requirement:	
	ntro to Micro Use	3
	uage (four courses in	
	one language)	12
	ions Requirements	47
	ntroduction to Human	
(Communication	3
	Voice and Diction	3
Comm 215 I	nterpersonal	
	Communication*	3
Comm 300 (Organizational	
	Communication*	3
Comm 303 /	Advanced Public	
	Speaking*	3
Comm 304 5	Small Group	
	Communication*	3
Comm 420 I	Mass Communications	
	Theory*	3
Comm 492 (Communication Issues*	3
Communicat	tion Electives	23
Electives		15
		128**

*See Prerequisites

**Must include at least 40 upper-division (300-400 level) hours.

Bachelor of Arts with a Major in Communications

Option II: Mass Communications

Semester Hours					
Core Requirements (p. 43)	51				
Computer Literacy Requirement:					
Comp 105 Intro to Micro Use	3				
Foreign Language (four courses in					
one language)	12				
Communications Requirements	47				
Comm 101 Intro to Human					
Communication	3				
Comm 111 Newswriting	3				
Comm 215 Interpersonal					
Communication*	3				
Comm 220 Practicum in					
Communications*	2				
(Student must select two different activities.)					
Comm 310 Communication Law	3				
Comm 325 Broadcast News					
Reporting*	3				
Comm 330 Advanced Communicati	ons				
Practicum*	1				
Comm 420 Mass Communications					
Theory*	3				
Comm 492 Communication Issues*	3				
Communication Electives	23				
Electives	15				
	128**				
*Soo Proroquisitos					

*See Prerequisites

**Must include at least 40 upper division (300-400 level) hours. Course numbered 300 and above in history, political science, sociology, business and psychology are recommended.

Bachelor of Arts with a Major in Communications

Option III: International Communication

Option III:	International Communic	ation
	Semester	Hours
Core Requi	rements (p. 43)	51
	guage (four courses	
O	in one language)	12
Communica	ations Requirements	21
	Intro to Human	
	Communication	3
Comm 215	Interpersonal	
	Communication*	3
Comm 305	Intercultural	
	Communication*	3
Comm 405	Advanced Intercultural	
	Communication*	3
Comm 420	Mass Communications	
	Theory*	3
Comm 492	Communication Issues*	3
Comm 475	Global Broadcasting*	

OR

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roved
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18
128***

*See Prerequisites

**Meets computer literacy requirement.

***Must include at least 40 upper-division (300-400 level) hours.

Bachelor of Science in Education with a Major in Speech Communication and Theatre

Grades 9-12 Certification
Plan B Single Teaching Field

	Semester I	Hour	S	
Core Requirements (p. 43) 51* 48				
	iteracy Requirement:			
Educ 301	Use of Computer Softwar	re		
	in the Classroom		3	
Communica	ntions Requirements	2	0	
	Intro to Human			
	Communication	3		
Comm 215	Interpersonal			
	Communication**	3		
Comm 304	Small Group			
	Communication**	3		
Comm 315	Argumentation			
	and Debate**	3		
Electives in	Communications***	8		
Theatre Rec	quirements	2	0	
Th 121, 122	2, 221, or 222—			
	Theatre Laboratory	2		
Th 142	Theatre Technology	3		
Th 212	Oral Interpretation	3		
Th 234	Intro Theatrical Design	3		
Th 241	Acting I	3		
Th 331	History of Theatre (WI)			
OR				
Th 332	History of Theatre	3		
Th 351	Directing**	3		
Electives			3	

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Education Certification Requirements (p. 149) 40-41**** 38-39 132-133

*Required course in psychology counts 3 hours toward Core Curriculum requirements, Area 3C.

**See Prerequisites

***Must be approved in advance by the student's adviser who must be selected from either the area of speech communication or theatre.

****Two credit hours are satisfied by Educ

Minor in Mass Communications

	Semeste	er Hours
Comm 111	Newswriting	3
Comm 310	Communication Law	3
Comm 325	Broadcast News	
	Reporting	3
Communica	ations electives*	9
		18

*Electives must be above the 100 level and must be chosen in consultation with an adviser from the communications department. A student may emphasize either the print or broadcast media.

Minor in Speech Communication

	Semester H	lours
Comm 100	Oral Communication*	3
Comm 215	Interpersonal	
	Communication	3
Comm 304	Small Group	
	Communication	3
Comm 306	Persuasion	3
	Troicobional micerrioning	3
Comm 401	Nonverbal Communication	3
		18

This minor is designed especially for those individuals who will be entering business, industry, education or any field calling for "superior communication skills."

*Meets Core Curriculum requirement.

Suggested Order of Study

Bachelor of Arts Major Code 0600

Communications Major Speech Comm Option

Freshman Year

1st Semester		
Course		Hou
Foreign Lang	guage	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Math 110 Intro to Col Math	1] 3
Psy 120	College Orientation	1
Comm 101	Intro to Human Comm	3
		16

2nd Semeste	er	
Foreign Lang	guage	3
CORE	[Eng 102 Comp II]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Econ 180 Amer Econ Sys]	3
Comm 131	Voice and Diction	3
Comm	Elective	3
		17

Sophomore Year

1st Semester		
Foreign Lang	guage	3
CORE	[Kine 101 Physical Activity]	1
CORE	[Humanities and Fine Arts]	3
Comm 215	Interpersonal Comm	3
Comm	Elective	3
Elective		3
		16

2nd Semes Foreign Lar		3
CORE	[Humanities and Fine Arts]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc	3
Comm	Elective	3
Electives		6
		18
Junior Year		

1st Semester

1st semester		
Comp 105	Intro to Micro Use	3
CORE	[Humanities and Fine Arts]	3
CORE	[Biology]	4
Comm 300	Organizational Comm	3
Comm 304	Small Group Comm	3
		16

and Semester

TO THE OWNER OF THE PARTY OF TH	
[Phys 100 Fund of Phys Sci]	5
[Psy 100 or Soc 110]	3
[Hist 110 U.S. History]	3
Adv Public Speaking	3
Elective (upper division)	3
	17
	[Psy 100 or Soc 110] [Hist 110 U.S. History] Adv Public Speaking

Senior Year

1st Semeste	er	
CORE	[Hist 320 U.S. History]	3
Comm	Electives (upper division)	9
Elective	(upper division)	3
		15

2nd Semester

Comm 420	Mass Comm Theory	3
CORE	[Comm 305 Intercul Comm]	3
Comm	Electives (upper division)	6
Comm 492	Comm Issues	3
		15

Electives should be selected in consultation with the adviser to meet desired career goals.

[Department Recommendations]

Bachelor of Arts

Major Code 0601

Communications Major Mass Communications Option Broadcast Emphasis

Freshman Year

1st Semester		
Course		Hou
Foreign Lang	guage	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
Comm 101	Intro to Human Comm	3
Comm 111	Newswriting	3
Psy 120	College Orientation	1
		16
2nd Samosta	or	

Foreign Language CORE [Eng 102 Comp II] [Kine 103 Lifetime Wellness] 2 CORE CORE [Econ 180 Amer Econ Sys] 3 Comm 130 Intro to Broadcasting Comm 131 Voice and Diction 3 17

Sophomore Year 1st Semester

Foreign Lang	guage	3
CORE	[Kine 101 Physical Activity]	1
CORE	[Humanities and Fine Arts]	3
Comm 215	Interpersonal Comm	3
Comm 200	Radio Production	
OR		
Comm 201	TV Production	3
Comm 220	Practicum In Comm	1
Electives		3

2nd Semeste	r	
Foreign Lang	uage	3
CORE	[Humanities and Fine Arts]	3
Comm 200	Radio Production	
OR		
Comm 201	TV/ Production	2

Comm 201 Comm 220 Practicum in Comm [Math 110 Intro to Col Math] 3 CORF Electives

16-18

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Junior Year			Sophomore \	/ear		Bachelor of Arts		
1st Semester		1st Semester			Major Code 0602			
Comp 105	Intro to Micro Use	3	Foreign Language 3			Communications Major		
CORE	[Humanities and Fine Arts]	3	CORE	[Kine 103 Lifetime Wellness]	2	International Studie		
CORE	[Biology]	4	CORE	[Econ 180 Amer Econ Sys]	3	international Studie	.s Option	
Comm 320	Advanced TV Production	3	Comm 215	Interpersonal Comm	3	Freshman Year		
Comm 325	Broadcast News Reporting	3	Comm 220	Practicum in Comm	1			
Commi 323		16	Comm	Elective [Comm 332		1st Semester		
		10	Comm	Feature Writing]	3	Course	Hours	,
2nd Semeste				reactive vviiting	15		1 Comp 1] 3	
		5					10 Col Math] 3	
CORE	[Phys 100 Fund of Phys Sci]	5	and Comosto				100 Oral Comm 3	
CORE	[Psy 100 or Soc 110]	3	2nd Semeste		2	CORE [Kine 10	01 Physical Activity] 1	
Comm 301	Broadcast & Cable Mgmt	3	Foreign Lang		3	Foreign Language	3	
Comm 310	Comm Law	3	CORE	[Humanities and Fine Arts]	3	Comm 101 Intro to	Human Comm 3	
Comm 402	Broadcast Programming	3	CORE	[Psy 100 or Soc 110]	3	Psy 120 College	Orientation 1	
		17	CORE	[PSc 120 Gov't: U.S./Sta/Loc		,	17	
			Elective	[Comm 333 Copy Editing]	3			
Senior Year					15	2nd Semester		
1st Semester							2 Comp II] 3	
CORE	[Hist 110 U.S. History]	3	Junior Year				0 Gov't: U.S./Sta/Loc]3	
CORE	[PSc 120 Gov't: U.S./Sta/Loc] 3	1st Semester				s/Th 110 Appreciation] 3	
Comm 330	Adv Comm Practicum	1	Comp 105	Intro to Micro Use	3		60 Lifetime Wellness] 2	
CORE	[Comm 305 Intercul Comm]	3	CORE	[Humanities and Fine Arts]	3	•	3	
Comm	Elective (upper division)	3	CORE	[Biology]	4	Foreign Language		
Elective	(upper division)	3	Comm 325	Broadcast News Reporting	3	Elective [Hist 14	40 World Civil] 3	
Licetive	(upper division)	16	Comm 330	Adv Comm Practicum	1		17	
		10	Commi 330	/ dv Comm / racticam	14			
2nd Semester			17			Sophomore Year		
		3	2nd Semeste	ar.		1st Semester		
CORE 120	[Hist 320 U.S. History]		CORE	[Humanities and Fine Arts]	3		10 U.S. History] 3	
Comm 420	Mass Comm Theory	3		-		CORE Phys 10	00 Fund of Phys Sci] 5	
Comm 492	Comm Issues	3	CORE	[Phys 100 Fund of Phys Sci]		Foreign Language	3	
Electives	(upper division)	5	CORE	[Hist 110 U.S. History]	3	IntS 201 Intro to	Int'l Studies 3	
		14	Comm 310	Comm Law	3	Comm 215 Interper	rsonal Comm 3	
			Comm	Elective (upper division)	3		17	
	ould be chosen in consultation				17			
the adviser to meet desired career goals. Courses in						2nd Semester		
history, business, political science, sociology, psy-			Summer			CORE [Bio 101 General Biology] 4		
chology, art and theatre all may be appropriate.			[Comm 345] [Internship] 8			Foreign Language 3		
					8		Political Economy 3	
[Departmen	t Recommendations]						of Mstrpcs of Wld Lit] 3	
			Senior Year				201 Prin of Econ 3	
			1st Semester			CORL [LCOII 2	16	
Bachelor o	of Arts		CORE	[Hist 320 U.S. History]	3		10	
			Comm	Electives [upper division]	6	Innian Vaan		
Major Code 0601			Electives	[upper division]	4	Junior Year		
Communications Major					13	1st Semester	20/220116 11:1 2	
Mass Com	munications Option						20/320 U.S. History] 3	
Newspape	r Emphasis		2nd Semeste	er		Foreign Language	3	
41				Mass Comm Theory	3		Humanities 3	
Freshman Y	ear		CORE	[Comm 305 Intercul Comm			2 Mstrpcs of Wld Lit] 3	
1st Semester			Comm 492	Comm Issues	3		Itural Comm 3	
Course		Hours	Electives	(upper division)	4	IntS 303 Contem	nporary World Civ 3	
Foreign Lan		3	LICCUVES	(apper division)	13		18	
	[Eng 101 Comp I]	3			13			
CORE	[Comm 100 Oral Comm]	3	Electives in	communications should be ch	ocen in	2nd Semester		
CORE						CORE [Psy 10	00/Soc 110] 3	
Comm 101	Intro to Human Comm	3		with the adviser to meet desi		Foreign Language	3	
Comm 111	Newswriting	3		Other electives should be chose		IntS 302 World	Environmental Issues 3	
Psy 120	College Orientation	1		r concentration or in a support			Broadcasting	
16		to career goals. Courses in history, business, politi-			OR			
2nd Semester				cal science, sociology and psychology are strongly			tional Comm 3	
Foreign Language 3		recommend	ed.		Comm 493 Interna Electives	3		
CORE	[Eng 102 Comp II]	3					15	
CORE	[Math 110 Intro to Col Math		[Departmen	t Recommendations]			13	
CORE	[Kine 101 Physical Activity]	1						
Comm 220	Practicum in Comm	1						
Elective		3						
		14						

Communications / 71

		1
Senior Year 1st Semester IntS 305 Comm 405 Comm 420 Comm 492 Electives	International Techno-Trends Adv Intercultural Comm Mass Comm Theory Communication Issues	3 3 3 3 3 15
2nd Semeste IntS 400 Electives	Sr Thesis in Int'l Studies	3 10 13
[Department	Recommendations]	
Major Code Speech-The Grades 7-1		
Freshman Ye	ar	
Course	H	ou
Comm 101	Intro to Human Comm	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Eng 101 Comp I]	3
CORE	[Math 110 Intro to Col Math]	3
CORE	[Biology]	4

13t Schlester		
Course	Н	our
Comm 101	Intro to Human Comm	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Eng 101 Comp I]	3
CORE	[Math 110 Intro to Col Math]	3
CORE	[Biology]	4
Psy 120	College Orientation	1
Educ 100	Orientation to Education	1
		18
2nd Semester		
Psy 100	General Psychology	3
Th 122	Theatre Lab	2
Th 142	Theatre Technology	3
CORE	[Eng 102 Comp II]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 110 U.S. History]	3
		17

Sopnomore Year	
1st Semester	

1st Semester		
Take C-Base	test.	
Comm	Elective	3
Comm 215	Interpersonal Comm	3
Psy 301	Adolescent Psychology	3
Th 241	Acting I	3
CORE	[Humanities and Fine Arts]	3
CORE	[Kine 103 Lifetime Wellness]	2
Educ 200	Orientation to Education II	1
		8

and semest	er	-
Apply for a	dmission to teacher education.	
Psy 310	Educational Psychology	2
Educ 302	The Exceptional Child	2
Th 212	Oral Interpretation	3
Th 234	Intro to Theatrical Design	3
CORE	[Humanities and Fine Arts]	3
CORE	[Kine 101 Physical Activity]	1
Educ 301	Use of Computer Software	3
	in the Classroom	

17

Julior Tear	
1st Semester	
Pass media o	competencies.
Educ 329	Ped Theo, Meth & Prac
Educ 321	Microteaching Secondar
Comm 304	Small Group Comm

Comm 304	Small Group Comm	
Comm 315	Argumentation and Debate	1
Th 331	History of the Theatre	
Educ 423	Classroom Management	2
	The same of the same of the same	17

2nd Semester

Luniar Van

CORE	[Comm 305 Intercul Comm]	3	
CORE	[Phys 100 Fund of Phys Sci]	5	
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3	
CORE	[Econ 180 Amer Econ Sys]	3	
Educ 422	Reading in Sec Schools	2	
	1	6	

Senior Year

1st Semester

Apply for student teaching. All course work must be completed except for Professional Semester

Th 351	Directing I	3
CORE	[Hist 320 U.S. History]	3
Educ 412 or	Educ 420* or Psy 412	2-3
Electives		6
		14-15

2nd Semester

Educ 402	Foundations of Education	2	
Educ 432	Critical Issues in Education	2	
Educ 344	Teaching Speech & Theatre		
	in Sec. Schools	2	
Educ 422	Teaching Reading in	2	
	Secondary Schools		
Educ 462	Student Teaching	8	
		16	

[Department Recommendations]

*Must be taken prior to the student teaching semes-

For additional information contact:

Mr. Richard W. Massa Office: Webster Hall 362 Phone: 625-9372

Course Descriptions

Comm 100 (F, S)	3 hrs. cr.
Oral Communication	

Principles of oral communication, including speaking and listening competencies and skills. Primary emphasis is on presenting various types of speeches and improving listening ability. Research, organization, reasoning, language and evaluation skill development are included. Three contact hrs. per week. (Required of all degree candidates.)

Comm 101 (F, S) Introduction to Human Communication

An introductory survey of the field of communication, exploring theoretical and research foundations. Included are discussions of language and verbal interaction and nonverbal communication. Contexts of communication are covered: interpersonal, group and organizational, public, intercultural and mass. Also covered will be career opportunities for the student who chooses a major or minor in communication.

Comm 111 (F, S) 3 hrs. cr.

Newswriting

Development of techniques in reporting and writing for a newspaper. Work on the College newspaper, The Chart, is required.

Comm 121 (F, S) (Per Sem.) 1 hr. cr. **Forensics Workshop**

A practicum in forensics, including research, organization and presentation of the current debate proposition along with development and presentation of individual events. May be repeated for a maximum of 4 hrs. of credit.

Comm 130 (S) 3 hrs. cr.

Introduction to Broadcasting

The role of the electronic media in our society and an introduction to the varied aspects and functions of the broadcasting professions. Laboratory experience in radio and television.

Comm 131 (F, S) 3 hrs. cr. **Voice and Diction**

Techniques for improving the speaking voice. Attention to voice production, phonetics, pronunciation and vocal expressiveness.

Comm 150 (Demand) 3 hrs. cr.

Introduction to Desktop Publishing

Desktop publishing is a significant technology in the working environment for the journalist or public relations practitioner. Designed for the student with little or no familiarity with computers. A lecture/hands-on laboratory course intended to equip the student with basic skills in desktop publishing. Enrollment is limited to communications majors. Does not meet computer literacy requirements.

Comm 200 (F. S) 3 hrs. cr.

Audio Production for Media

Principles and techniques of sound pickup and audio control. Basic techniques of microphone use, control board operation and recording. Projects are taped for analysis and critique. Two hours of lecture, two hours of laboratory per week. Prerequisite: Comm 131.

Comm 201 (F, S) 3 hrs. cr.

Television Production

Intensive practice in preparation and production of television programs. Camera techniques, floor setups and direction of crews and talent. Interviewing techniques. Development of varied onthe-air skills. Two hrs. lectures, 2 hrs. lab per week.

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Comm 205 (S, Even)

3 hrs. cr.

Listening

A study of the role listening plays in our daily lives. Emphasis on the listening process, types of listening skills, response strategies and what our listening behaviors communicate to others. Intensive practice for those who recognize the importance of genuine listening and wish to acquire proficient listening abilities.

Comm 215 (F, S)

3 hrs. cr.

Interpersonal Communication (Writing Intensive)

Person-to-person communication with emphasis on dyadic and group communication. Lecture, reading and discussion with class experiments designed to illustrate interpersonal communication problems. Prerequisite: Comm 100.

Comm 220 (F, S)

(Per Sem.) 1 hr. cr.

Practicum in Communications

Laboratory experience on the staff of the College newspaper, yearbook, or broadcast media. Students will participate fully in the work of the media, working under the supervision of faculty members. A minimum of 5 hrs. per week is reguired. One hr. of credit each term for a maximum of three terms. Prerequisite: for The Chart or Crossroads, Comm 111; for KXMS, Comm 200; for TV, Comm 201.

Comm 298 (Demand)

and stipulated in syllabus.

influencing individuals and groups, a history of rhetoric and modern application of these principles to various areas of social interaction. Prerequisite: Comm 100.

Prerequisites are determined by the department

Comm 300 (F)

3 hrs. cr.

1-8 hrs. cr.

Organizational Communication

Selected Topics in Communications

The interface between communication theory and organizational structure. Emphasis upon communication problems in organizations, strategies for overcoming such problems and the design of effective communication systems in organizational settings. Prerequisites: Comm 101 and 215.

Topics not normally included in another course.

Comm 301 (S, Even)

3 hrs. cr.

Broadcast and Cable Management

Broadcast station administration, market analysis, policy determination, station organization, sales, programming, network relationships, community involvement and FCC responsibilities. Prerequisite: Comm 200 and 201 or consent of instructor.

Comm 302 (Demand)

3 hrs. cr.

Photocommunications

Theory and practice of communication through the medium of photography. Students work on the photography staffs of college publications and deal with the application of photography to the mass media. Prerequisite: Comm 111 and a knowledge of photographic techniques, including developing and printing.

Comm 303 (S)

3 hrs. cr.

Advanced Public Speaking

Performance-based experiences to promote proficiency in the presentation and criticism of oratory. Emphasis on refining the art of informative and argumentative speechmaking. Prerequisite: Comm

Comm 304 (F)

Small Group Communication (Writing Intensive) Small group context of interpersonal communication emphasizing group behavior and human relations. Specific units include group problem solving, decision making and leadership style. Prerequisite: Comm 100.

Comm 305 (F, S)

3 hrs. cr.

Intercultural Communication (Writing Intensive) Analysis of variables influencing communication among peoples from different cultures. Emphasis on developing interpersonal skills needed in multicultural encounters. Prerequisite: Comm 100. (Meets Core Curriculum requirements in Area 5, International Cultural Studies.)

Comm 306 (S)

3 hrs. cr.

Persuasion

A theoretical examination of the principles of

Comm 307 (F)

3 hrs. cr.

Professional Interviewing

Designed to prepare students for professional fields which require information-seeking and -gathering, decision-making, interaction skills and selfexpression. The student will participate in a variety of simulated and actual interviewing situations as both an interviewer and interviewed. Prerequisite: Comm 100.

Comm 308 (S, Odd)

3 hrs. cr.

Gender Communication

The pragmatics of gender-related communication refers to the study of the embedded contexts of male-female symbolic interaction. This introduction to the field of gender communication will look at interpersonal, organizational and cultural contexts. Prerequisite: Comm 100.

Comm 309 (Demand)

3 hrs. cr.

World Cinema

This course will cover the most important facets of cultural literacy in cinematography, one of the essential aspects of modern culture in our century. The course also includes a very strong writing component.

Comm 310 (S)

3 hrs. cr.

Communication Law

Statutes, administrative regulations and court decisions affecting freedom of information, censorship, libel, privacy, contempt of court, obscenity, legal access, copyright, advertising and broadcasting. Rights, privileges and obligations of the press.

Comm 311 (S)

3 hrs. cr.

Introduction to Public Relations

Nature and scope of public relations and its relationship to interpersonal and interdisciplinary conduct. Basic elements of public relations including planning, special events, speeches, news releases, annual reports, financial reporting, visual and electronic media techniques.

Comm 315 (F, Even)

3 hrs. cr.

Argumentation and Debate

The theory of the modern forms of evidence, evaluations, arguments, methods of refutation and ethical relationships of these methods in a free society. (Meets certification requirements for secondary education.) Prerequisite: Comm 100.

Comm 320 (S)

3 hrs. cr.

Advanced Television Production

Focuses on the elements of producing and directing television programs. Students spend most of the laboratory time actually producing programs for telecasting on cable, public television, or the College's own television station. One hr. lecture, 4 hrs. lab each week. Prerequisite: Comm 201.

Comm 321 (F, S)

(Per Sem.) 1 hr. cr.

Forensics Workshop

Advanced practicum in the area of forensics, including research, organization and presentation of the current debate proposition along with development and presentation of individual events. May be repeated for a maximum of 4 hrs. of credit. Prerequisite: Junior or senior standing and Comm

Comm 325 (F)

3 hrs. cr.

Broadcast News Reporting

(Writing Intensive)

Experience in writing and reporting news for broadcast. Interview assignments, wire rewriting, actualities/voice production and newstape editing. Laboratory experience with campus broadcast media. Prerequisite: Comm 111.

Comm 330 (F, S)

1 hr. cr.

Advanced Communications Practicum

Intensive laboratory experience on the staff of the College newspaper, yearbook, broadcast media or on special communications projects. Students will work for a minimum of 5 hrs. per week in positions of major responsibilities. May be repeated for a maximum of 6 hrs. of credit. Prerequisites: Junior or senior standing; media courses to prepare student adequately for work expected; Comm 220 or permission.

Comm 331 (F, S)

2 hrs. cr.

Advanced Newspaper Practicum

Intensive lab experience with opportunities for major leadership position on the staff of the College newspaper. Students will participate fully in the publication of the newspaper working under the supervision of a faculty member. One class session plus a minimum of ten working hours per week are required. Attendance at a weekly newspaper staff meeting also is required. Two hours of credit each term for a maximum of two terms. Prerequisite: Comm 220 and 330.

Comm 333 (S,Odd)

3 hrs. cr.

Copy Editing

An examination of the newspaper copy editor's role and the editing process. Emphasis on spelling, grammar, the Associated Press Stylebook, editing for accuracy and fairness, coaching writers, writing headlines, and designing pages. Two hours laboratory experience on the College newspaper, *The Chart*, each week. Prerequisite: Comm 111.

Comm 335 (F,Even)

3 hrs. cr.

Feature Writing

Finding and writing newspaper features and magazine articles, including profiles, columns, reviews, investigative pieces, travel stories, and history articles. A focus on developing and selling story ideas. Work on the College newspaper, *The Chart*, is required. Prerequisite: Comm 111 or consent of instructor.

Comm 340 (S, Odd)

3 hrs. cr.

Research in Communications

An introduction to research methods in communications. Discussion of these methods as they apply to various communication contexts. This course offers an exploration of the nature of research, types of research methodologies and evaluation of research. Prerequisites: Junior or senior standing and Comm 101.

Comm 345 (F, S, Summer)

1-8 hrs. cr.

Internship in Communications

Off-campus work experience in areas related to professional goals of students. For advanced majors in communications. Students must be approved for the program prior to enrolling. Application must be made during the first half of one semester for the following semester. In all internships students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hrs. of credit. Prerequisites: Communications major with a minimum of 85 semester hrs.; approval of department head prior to enrolling. Some internships may have other specific prerequisites. Guidelines are available in the department's offices and must be followed.

Comm 350 (Demand)

3 hrs. cr.

Sports Writing

The fundamental principles of reporting and interpreting sports, improving writing and editing skills for game coverage and feature stories and further developing and refining those skills necessary for success in the field. Prerequisite: Comm 111.

Comm 355 (S)

3 hrs. cr.

Case Studies in Public Relations

Analysis of public relations practices, including planning, communication, evaluation; management responsibilities. Prerequisite: Comm 311.

Comm 360 (S)

3 hrs. cr.

Visual Communication: Images With Messages
This course is an examination of visual modes of
communication. Topics will include the basic
elements of visual messages, the relation of visual
communication to language, and the place of
images in everyday life. This course is a direct
result of the new age in communications initiated
and promoted by computer technology.

Comm 400 (S, Even)

3 hrs. cr.

Advanced Organizational Communication

The application of communication theory within the organizational structure is the thrust of the course. Particular attention is focused on analysis and diagnostic capabilities. Communication training and development within an organizational setting is emphasized. Prerequisite: Comm 300.

Comm 401 (S)

3 hrs. c

Nonverbal Communication

Study types and effects of various nonverbal communication behaviors and develop competencies and skills in applying the study to selected perspectives. Original research as well as published research will be emphasized. Prerequisite: Comm 100.

Comm 402 (S, Odd)

3 hrs. cr.

Broadcast Programming

An analysis of the programming principles and techniques used within the broadcast and cable professions. Practices of networks, affiliated stations, independent stations and superstations are compared and contrasted. Prerequisite: Comm 130.

Comm 405 (F)

3 hrs. cr.

Advanced Intercultural Communication

This advanced course is an in-depth analysis of variables which influence communication among peoples from different cultures. It will be an application of the intercultural theories and principles learned in the basic Intercultural Communication course. This in-depth analysis of seven cultures—Northern Ireland, American Indians, Germany, China, Japan, India, and the Amish subculture in North America—from a communication perspective will utilize the case study method. Prerequisite: Comm 305.

Comm 411 (S, Odd)

3 hrs. cr.

Political and Social Communication

Critical analysis of speakers and speeches selected to present the characteristic ideas of leading social and political developments in national and international affairs; includes lecture, reading and discussion. Prerequisite: Comm 100 and junior or senior standing.

Comm 420 (F)

3 hrs. cr.

Mass Communications Theory

Explores the various theories which have been applied to understanding the effects of the mass media. Students will learn the various paradigms which have been applied in attempting to predict media performance, reliability and impact. Prerequisite: Comm 100 plus 3 hrs. of communication courses.

Comm 425 (S, Odd)

3 hrs. cr.

Broadcast Scriptwriting

Methods, style and techniques for preparing scripts for various types of radio and television programs and announcements. Using the computer for typing scripts. Emphasis on promotion commercials, public service announcements, partially, scripted and fully-scripted program formats such as public affairs programs, variety shows, game shows, the documentary and drama. Prerequisites: Comm 111 and 200 or 201 or 325.

Comm 430 (F,S)

3 hrs cr

Advanced Broadcast News Reporting

Theory and practice of producing a regularly scheduled television newscast. Study, criticism and evaluation of broadcast journalism. Six laboratory hours plus one staff meeting per week. Course may be repeated for a maximum of six hours. Prerequisite: Comm 325.

Comm 431 (F,S)

2 hrs. cr.

Electronic Field Production

Planning, designing and executing electronic field productions. This laboratory course is designed to build aesthetic awareness and the technical skills necessary to conceive and develop an idea and communicate that idea to others. Four hours of laboratory weekly. Course may be repeated for a maximum of four hours. Prerequisite: Comm 201

Comm 450 (S, Even)

3 hrs. cr.

Community Journalism

Examining the nature and role of community journalism in an urbanized society is the thrust of the study. It relies heavily on the expertise of community journalism practitioners as resources of information and research. Experience with small daily and weekly newspapers will be the foundation for developing skills in community journalism. Prerequisite: Comm 111.

Comm 455 (F)

3 hrs. cr.

Writing for Public Relations

Study, analysis and practice in writing for public relations media or for public relations use by media. Includes writing news, publicity, and feature stories as well as effective letter writing, newsletters and brochures. Prerequisite: Comm 311.

Comm 470 (F,Even)

3 hrs. cr.

New Media Technology

Exploration of developed and developing technologies likely to shape the future of electronic media. New uses of older technologies. Historical development, regulation, and audience effects of these technologies. The student will become aware of critical controversies and projected future developments of technology. Prerequisite: Junior standing.

Comm 475 (F,Odd)

3 hrs. cr.

Global Broadcasting

Global analysis of domestic and external broadcasting services with emphasis on their political agendas, origins, technologies, and programming. Special attention placed on political, economic, and regulatory constraints. Prerequisite: 60 hours.

Comm 492 (S)

3 hrs. cr.

Communication Issues

Required of all communications majors. Synthesizes information obtained from previous coursework. Students are presented with current issues of concern from communications fields and are asked to present possible scenarios for their resolution. Prerequisite: Senior standing, plus 15 hrs. in communications.

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Comm 493 (S, Even) 3 hrs. cr. International Communication

Comparative analysis of media systems throughout the world, international broadcasting, freedom of the press, media imperialism and the New World Information Order.

Comm 498 (Demand) 3 hrs. cr. Special Topics in Speech Communication

For upper-division students. Topics to be announced each time the course is offered.

Comm 498 (Demand) 1-3 hrs. cr. Special Topics in Mass Communications
For upper-division students. Topics to be announced each time the course is offered.

Comm 499 1-3 hrs. cr.

Independent Study in Speech Communication
An independent course structured by the adviser with approval of the department head and school dean. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and have completed 15 hrs. of communications. Projects must be approved by adviser, department head and school dean prior to enrollment.

Comm 499 1-3 hrs. cr. **Independent Study in Mass Communications**

Individually directed study in selected areas for advanced majors in mass communications. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and have completed 15 hrs. of communications. Projects must be approved by the adviser, department head and school dean prior to enrollment.

English

Hearnes Hall 300, 625-9377

Faculty Spector - Head, Ackiss, Brown, Couch, Denniston, Dworkin, Greenlee, Harder, Kanan, Kumbier, Lambert, Marlowe, Morgan, Rodgers, Saltzman, Simpson, Walters

The department of English offers basic service courses in composition and literature for all students at the College. These courses emphasize writing and analytical skills and cultivate an appreciation of literature in all its variety. A major in English for the bachelor of arts degree has proved to be an excellent preparation for students who plan to enter business and industry, for students who plan to pursue graduate studies in English and for students who plan to enter professional schools such as law and medicine. Gradu-

ates of this program are in such widely diverse occupations as personnel relations, advertising, publishing, sales management, mass communications, and college teaching. Majors in English are expected to exhibit skills in writing, organization and creativity, and they are expected to develop a perception of and appreciation for the human values that grow out of the study of literature.

A major in English for the bachelor of science in education degree is designed for students who wish to prepare to teach English (Plan B) or English plus another field (Plan A) at the secondary level. With the need for excellence in secondary education so pressing, the English faculty work to develop in B.S.E. majors an informed enthusiasm for and dedication to teaching language, composition and literature so that they in turn will prepare their students well for college and for life. Students who wish to obtain certification to teach English/Language Arts in a middle school should consult the Teacher Education information in the catalog on page 152.

The English department offers an English minor with the choice of two emphases. The first, a minor in English with an Emphasis in Literature, is a traditional English minor that allows students to deepen their knowledge of literature and writing. The minor in English with a Writing Emphasis is designed to encourage students to develop their writing skills and to provide those students with a way to present their accomplishments to prospective employers and graduate schools. Students who wish to minor in English should arrange a coherent sequence of courses in consultation with the departmental adviser for minors. Students should choose courses on the basis of their backgrounds, their major programs and, above all, their interests.

The department also offers its majors and other students opportunities to use their talents and pursue their interests through such organizations as the English Club and Sigma Tau Delta Honor Society, through publications like *The Winged Lion*, and in projects like English Field Day.

Internships are encouraged for English majors. These internships allow the students practical experience using writing and research skills in a business environment.

Core Curriculum requirements in Humanities and Fine Arts can be met with the courses listed on page 44 under Area 2, section B and C. English 101 is a prerequisite to all courses except English 80 and 111. English 102 or 111 is a prerequisite to all 300-400 level English courses. The department urges all students to complete English 101 and 102 in their freshman year.

Bachelor of Arts with a Major in English

Semester Hours

	irements (p. 43) 51*	45
	inguage (four courses i	n one
language)		12
English Re	quirements	42
Eng 301	Modern Grammar	
OR		
Eng 400	History of the Englis	h
	Language	3
One cours	se from Eng 216, 310,	
	313 and 315	3
Eng 202	Writing and Research	n in
	English	3
English	Electives**	33
Electives		29
		128***

*Two of the English courses listed under Area 2, sections B and C on page 41 satisfy both six of the 51 hours required for the Core Curriculum and six of the 33 hours of English electives required for the major.

**Must be beyond college composition and include at least 12 hours at the 300-400 level. The student also will need to satisfy the computer literacy requirement as determined by the English department.

***Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Science in Education with a Major in English

Grades 9-12 Certification
Plan A One of Two Teaching Fields

Core Requirements (p. 43) 51* 42
English Requirements 33
Eng 301 Modern Grammar 3
Eng 319 Composition for Teachers 3
Eng 330 Literature for Adolescents 3
Eng 400 History of the English Language 3

Eng 216 OR	Creative Writing		*Six hours of literature from Area 2, Sections B and C plus the required Psychology 100		gested Order of Study
Eng 202	Writing and Research in		satisfy Core Curriculum requirements.	80	
Ling 202	English		**A list of courses which fulfill these require-		
OR	Liigiisii		ments is available in the English department.	Bachelor o	
Eng 310	Professional Writing		***Must be beyond college composition.	Major Cou	
OR	Trolessional writing		Must be beyond conege composition.	English Ma	njor
Eng 313	Technical Writing	1			
OR	reeimear vviiens		Minor in English	Freshman Y 1st Semester	
Eng 315	Advanced Essay Writing	3	(Literature Emphasis) Semester Hours	Course	Hours
English Lit		6	Eng 216 Creative Writing (3)	CORE	[Eng 101 Comp I] 3
	Literature**	6	OR	CORE	[Hist 110 or 120 U.S. Hist] 3
World Lite		3	Eng 310 Professional Writing (3)	CORE	[Foreign Language] 3
English Ele		3	OR	CORE	[Math 110 or equivalent] 3
	Certification Requirements		Eng 313 Technical Writing (3)	CORE	[Kine 101 Physical Activity] 1
(p. 149)		37	OR	Psy 120	College Orientation 1
	aching Field (some fields		Eng 315 Advanced Essay Writing (3) 3		14
exceed 30		30	Eng courses at the 300-400 level		er
		142	Eng Electives (beyond college	CORE	[Eng 102 Comp II] 3
*Six hours	of literature from Area 2, sec	ctions	composition) 9	CORE	[PSc 120 Gov't: U.S./Sta/Loc] 3
B and C p	lus the required Psychology		21*	CORE	[Foreign Language] 3
satisfy Cor	e Curriculum requirements.	133		Eng	Elective 3
	courses which fulfill these rec		*Should be chosen in consultation with an	CORE	[Hist 110, 120 or 320 U.S. History] 3
ments is av	ailable in the English departi	ment.	adviser in the English department.		320 O.S. History] 3
***Must be	e beyond college composition	on.			
				Sophomore	Year
			Minor in English	1st Semeste	
Bachelo	or of Science		(Writing Emphasis) Semester Hours	CORE	[Foreign Language] 3
in Educa	ation with a	1000	A: Six hours of college composition	CORE	[Comm 100 Oral Comm] 3
	n English	1	Eng 101 College Comp I (3)	CORE CORE	[Bio 101 General Biology] 4 [Kine 103 Lifetime Wellness] 2
	12 Certification		AND	Eng 310	Prof Wrtng or Eng Elective 3
Plan B	Single Teaching Field		Eng 102 College Comp II (3)		15
FIAII D	Single reaching rield		OR		
	Semester H	Hours	Eng 111 Advanced College Comp (6)	2nd Semeste	
Core Regu	irements (p. 43) 51*	42	6	CORE	[Foreign Language] 3
	quirements	42	B: Twelve hours from the following:	Eng 202 CORE	Wrtg & Research in Eng. 3 [Phys 100 Physical Science] 5
Eng 301	Modern Grammar	3	Eng 216 Creative Writing (3)	CORE	[Psy 100 or Soc 110] 3
Eng 319	Composition for		Eng 310 Professional Writing (3)		315 or English elective 3
0 5.15	Teachers	3	Eng 313 Technical Writing (3)		17
Eng 330	Literature for Adolescents	3	Eng 315 Advanced Essay Writing (3)		
Eng 400	History of the		Eng 316 Creative Writing: Poetry (3)	Junior Year	
	English Language	3	Eng 317 Creative Writing: Fiction (3)	1st Semeste	
Eng 216	Creative Writing	1	12	Eng 301	Elective 3 or Eng Elective 3
OR		1	C: Three hours in a 300-400 level	CORE	[Econ 180 Amer Econ Sys] 3
Eng 310	Professional Writing		writing intensive course in the	Electives	[Minor] 9
OR			student's major 3		18
Eng 313	Technical Writing		21		
OR		1		2nd Semeste	
Eng 315	Advanced Essay Writing	3	For additional information contact:	Eng 400	History of the Eng Lang
English Lit	erature**	6	Dr. Stephen Spector	OR Eng	Elective 3
American	Literature**	6	Office: Hearnes Hall 314	Eng	Elective 3
World Lite	erature**	3	Phone: 625-9535	CORE	[Art 110, Mus 110 or Th 110] 3
English Ele		12		Elective	[Minor] 6
	Certification Requirements				15
(p. 149)		37		6	
Electives		7		Senior Year	
		128		1st Semeste Eng	r Electives 9
		1350		LIIS	Electives [Minor] 6
				CORE	[International Cultural Stu] 3
					18

76 / English

2nd Semes	ster	
Eng	Electives	9
Elective	[Minor]	9
		18

[Department Recommendations]

Students must choose one course from 216, 310, 313 or 315. Eng 301 is offered fall semesters only; Eng 400 is offered in spring semesters only. Six hours of literature selected from Area 2, sections B and C will satisfy six hours of the Core Curriculum requirements page 43.

For additional information contact:

Dr. Stephen J. Spector Office: Hearnes Hall 314

Phone: 625-9535

Bachelor of Science in Education Major Code 0842 English Major

Grades 9-12 Certification
Plan A One of Two Teaching Fields

Note: Students following Plan A should consult an adviser in English and the other major to work out an individualized program.

Freshman Year

1st Semester		
Course		Hours
CORE	[Eng 101 Comp I]	3
Psy 100	General Psychology	3
CORE	[Hist 110 or 120 U.S. Hist]	3
CORE	[Math 110 or equivalent]	3
CORE	[Kine 101 Physical Activity]	1
Psy 120	College Orientation	1
CORE	[Econ 180 Amer Econ Sys]	3
		17
2nd Semeste	r	
CORE	[Eng 102 Comp II]	3
CORE	[Lit Survey: Eng/Amer/World	d] 3
CORE	[PSc 120 Gov't: U.S./Sta/Lo	
CORE	[Bio 101 General Biology]	4
CORE	[Art 110, Mus 110 or Th 11	0] 3
Educ 100	Orientation to Educ I	1
		17

Sophomore Year

1st Semester

Take C-Base test. Get faculty recommendation, write autobiography, & file admission papers for tentative admission to Teacher Education. If ACT is less than 20, student should retake ACT.

CORE	[Area 2 C: Eng, Amer, World	Li
OR		
Eng 150	Intro to Literature	
OR		
Eng 305	Short Story	3
Eng	[Eng, Amer or World Lit]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Phys 100 Physical Science]	5
Psy 301	Adolescent Psychology	3
Educ 200	Orientation to Educ II	1

2nd Semester

Apply for admission to teacher education during first six weeks of the semester.

Eng	[Eng, Amer or World Lit]	3
Psy 302	Exceptional Child	2
Psy 310	Educational Psychology	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 110, 120 or 320]	3
Educ 301*	Computer Software	3
		17

*This is a certification requirement and must be taken by all teacher education students.

Junior Year

Pass media competencies. If recommended by Junior Block instructors and by the teacher education faculty, receive full admission to teacher education.

1st Semester		
Eng 301	Modern Grammar	3
Eng 310	Professional Writing	3
Educ 321	Microteaching	2
Educ 329	Ped Theo Meth & Prac	4
Educ 423	Classroom Management	2
English	Elective	3
		17

2nd Semester			
Eng 400	Hist of Eng Language	3	
Eng 216	or 315	3	
Eng 330	Lit for Adolescents	3	
Eng	[English, American, or Wld Lit]	3	
Educ 422*	Reading in Sec. Schools	2	

*May be taken any semester after completing the junior block.

Senior Year

Apply for admission to student teaching. All course work must be completed except for professional semester courses.

ist semester		
Eng	Electives	3
Elective	(General)	3
Eng 319	Comp for Teachers	3
CORE	[Intern'l Cultural Stu]	3
		12
2nd Semeste	r	
Educ 332	Tching Eng in Sec Sch	2
Educ 462	Student Teaching	8
Educ 402	Foundations	2
Educ 432	Critical Issues	2
Educ 412	Indiv Curriculum Dev (2)	
OR		
Educ 420*	Intro to Counseling (3)	
OR		
Psy 412	Meas & Eval (2)	2-3
		16-17

[Department Recommendations]

*Offered at night only. Must be taken the semester prior to student teaching.

For additional information contact:

Dr. Stephen Spector Office: Hearnes Hall 314 Phone: 625-9535

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Grades 9-12 Certification

Freshman Year

Bachelor of Science in Education

English Major

Plan B

CORE

1st Semester		
Course		Hours
CORE	[Eng 101 Comp I]	3
Psy 100	General Psychology	3
CORE	[Hist 110 or 120]	3
CORE	[Math 110 or equiv]	3
CORE	[Kine 101 Physical Activity] 1
Pev 120	College Orientation	1

[Econ 180 Amer Econ Sys]

Single Teaching Field

2nd Semeste	r	
CORE	[Eng 102 Comp II]	3
CORE	[Lit Survey: Eng/Amer/World]	3
CORE	[PSc 120 Gov't: U.S./St/Loc]	3
CORE	[Bio 101 General Biology]	4
CORE	[Art 110, Mus 110 or Th 110]	3
Educ 100	Orientation to Educ I	1

Sophomore Year

1st Semester

Take C-Base test. Get faculty recommendation, write autobiography, & file admission papers for tentative admission to Teacher Education. If ACT iss less than 20 student should retake ACT.

iss less than	20, student snould retake ACT	
CORE	[Area 2-C: Eng/Amer/Wld Lit] 3
Eng	[Eng, Amer or World Lit]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Phys 100 Physical Science]	5
Psy 301	Adolescent Psychology	3
Educ 200	Orientation to Educ II	1
		17

2nd Semester

Apply for admission to teacher education during first six weeks of the semester

first six wee.	ks of the semester.	
Eng	[Eng, Amer or World Lit]	3
Psy 302	Exceptional Child	2
Psy 310	Educ Psychology	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 110, 120 or 320]	3
Educ 301*	Computer Software	3
		17

*This is a certification requirement and must be taken by all teacher education students.

Junior Year

Pass media competencies. If recommended by Junior Block instructors and by the teacher education faculty, receive full admisssion to teacher education.

1st Semester	r	
Eng 301	Modern Grammar	3
Eng 310	Professional Writing	3
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Elective	(General)	3

2nd Semeste	er	
Eng 400	History of Eng Lang	3
Eng 216	or 315 or Eng Elective	3
Eng 330	Lit for Adolescents	3
Eng	Eng, Amer or World Lit	3
Educ 422*	Reading in Sec. Schools	3
		15

*May be taken any semester after completing the junior block.

Senior Year

Apply for admission to student teaching. course work must be completed except for Professional Semester courses.

1st Semester

Eng	Electives	9
Eng 319	Comp for Teachers	3
CORE	[International Cultural Stu]	3
Elective	(General)	3
		18

2nd Semeste	er	
Educ 332	Tching Eng in Sec School	2
Educ 462	Student Teaching	8
Educ 402	Foundations	2
Educ 432	Critical Issues	2
Educ 412	Indiv Curriculum Dev (2)	1400
OR		
Educ 420*	Intro to Counseling (3)	
OR		37100

[Department Recommendations]

*Offered at night only. Must be taken the semester prior to student teaching.

Meas & Eval (2)

2-3

16-17

For additional information contact:

Dr. Stephen Spector Office: Hearnes Hall 314 Phone: 625-9535

Course Descriptions

Eng 080 3 hrs. cr.

Basic Composition

Offered through the Learning Center, for students whose placement scores indicate they are not prepared to enter English 101. Students will write at least six major papers with special attention given to mechanics, grammar, syntax, paragraphing and organization. Students must pass English 80 before registering for English 101. No credit toward baccalaureate degree.

Eng 101 3 hrs. cr. College Composition I (Writing Intensive) An introduction to the principles of college-level writing and critical thinking based upon expository models. Successful completion of the course permits the student to enroll in English 102. Students demonstrating exceptional ability as indicated by placement scores may be permitted to substitute English 111. (Meets Core Curriculum requirements.)

Eng 102 3 hrs. cr. College Composition II (Writing Intensive) Continued development of writing skills. Initiation, development and completion of a research paper. Prerequisite: English 101. (Meets Core Curriculum requirements.)

Eng 111 3 hrs. cr. **Advanced College Composition**

(Writing Intensive)

For students whose placement scores demonstrate exceptional proficiency. With a grade of "C" or better in English 111, a student also automatically receives three hrs. credit for English 101, thereby satisfying the six hour composition requirement. However, students receiving a D in English 111 must take English 102.

Eng 150 3 hrs. cr. **Introduction to Literature**

An examination of literary themes, techniques, and approaches reflected in the genres of fiction, poetry, and drama. (Meets Core Curriculum requirements.)

Eng 160 3 hrs. cr. Introduction to Film Studies

An introduction to the study of film as a literary genre and art form. Two hrs. lecture, 2 hrs. lab.

Eng 202 3 hrs. cr. Writing and Research in English

(Writing Intensive)

An intermediate course for Engish majors in the various types of writing in the discipline; an introduction to the aims and methods of scholarship in the discipline.

Eng 216 3 hrs. cr. **Creative Writing** (Writing Intensive) Writing of prose, poetry and drama. A study of the writer's roles and technical approaches to literature in order to develop creative writing skills. Prerequisite: English 101.

3 hrs. cr. Masterpieces of World Literature

Selected literature through the Renaissance, excluding British and American literature. (Meets Core Curriculum requirements.)

3 hrs. cr. Eng 262

Masterpieces of World Literature

Selected literature from the Renaissance to the present, excluding British and American literature. (Meets Core Curriculum requirements.)

Eng 271

English Literature

Survey of English literature from its beginnings through the eighteenth century. (Meets Core Curriculum requirements.)

Eng 272 3 hrs. cr.

English Literature

Survey of English literature from the Romantic Movement to the present. (Meets Core Curriculum requirements.)

Eng 281 3 hrs. cr.

American Literature

A survey of American literature from its beginning to the Civil War. (Meets Core Curriculum requirements.)

3 hrs. cr. Eng 282

American Literature

A survey of American literature from the Civil War to the present. (Meets Core Curriculum requirements.)

Eng 298 (Demand) 3 hrs. cr.

Explorations in Literature

Studies in a variety of literary subjects. Topic open.

Modern Grammar

Survey of the major descriptive approaches to English grammar, emphasizing generative transformational syntax. Also focuses on dialect, usage, and practical classroom applications.

Eng 305 3 hrs. cr.

The Short Story

An indepth study of the short story with representative writers from throughout the world. (Meets Core Curriculum requirements.)

Eng 310 3 hrs. cr. **Professional Writing** (Writing Intensive) An advanced course focused on the technical writing demands of professional occupations. Prerequisite: 6 hrs. composition.

Eng 313 3 hrs. cr. (Writing Intensive) **Technical Writing** An advanced composition course focused on the practical demands of on-the-job writing. Designed primarily for upperlevel students preparing for careers in science, technology or social science. Prerequisite: Six hours of composition.

Eng 315 3 hrs. cr. **Advanced Essay Writing** (Writing Intensive) An advanced course in the principles of prose style, focusing on the essay. Recommended for all students, especially those entering the professions or aspiring to become writers. Prerequisite: 6 hrs. composition.

Eng 316 3 hrs. cr. **Creative Writing: Poetry** (Writing Intensive) An advanced course in the writing of poetry, including analysis and emulation of professional models and workshop editing of original student writings. Prerequisite: English 216.

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Eng 317 3 hrs. cr. Creative Writing: Fiction (Writing Intensive)
An advanced course in the writing of fiction, including analysis and emulation of professional models and workshop editing of original student writings. Prerequisite: English 216

Eng 319 (F) 3 hrs. cr. **Composition for Teachers** (*Writing Intensive*) For prospective teachers of English. A review of grammar, practice in writing, and the theory of teaching writing.

Eng 325 3 hrs. cr. Children's Literature (Writing Intensive)
A reading, lecture and observation course for elementary education students, including evaluation of children's literature, its historical development, and its uses in the elementary school. Does not count toward an English major.

Eng 330 3 hrs. cr. **Literature for Adolescents** (Writing Intensive)
An extensive reading course for English education students including evaluation of adolescent literature, some methodology for classroom use, and a major unit on minority literature.

Eng 335 3 hrs. cr.

Women's Literature

A study of the literary tradition of women authors writing in English.

Eng 340 3 hrs. cr.

Black American Literature

Writings by Black Americans from the Colonial Period to the present.

Eng 345 3 hrs. cr.

The American Novel

Representative works of authors such as Hawthorne, Melville, Twain, and Faulkner.

Eng 350 3 hrs. cr.

Recent American Fiction

The major movements in American fiction since World War II.

Eng 355 3 hrs. cr.

Arthurian Literature

Emphasizes the origins and development of Arthurian legends in the Middle Ages; studies treatment of Arthurian literature in modern times. Works read in modern English translation.

Eng 360 3 hrs. cr.

Modern World Drama

World drama from Ibsen to the present. Selections from European, British, American, Asian and African playwrights.

Eng 370 3 hrs. cr.

Twentieth Century Poetry

British and American poetry from Yeats to the present.

Eng 380 3 hrs. cr.

The English Novel

Studies in the English novel from 1700 to the present, featuring representative works from authors such as Austen, Dickens, and Joyce.

Eng 385
Continental Novel

3 hrs. cr.

Representative works by European novelists of the nineteenth and twentieth centuries. Emphasis is on the major European novelists such as Tolstoy, Dostoevsky, and Kafka. (Meets Core Curriculum requirements in Area 5, International Cultural Stud-

165.)

Eng 390 3 hrs. cr.

Comparative Epic

Intensive study of a range of Western and non-Western epic poetry and prose, with emphasis on literature from non-English speaking cultures.

Eng 391 3 hrs. cr

Comparative Lyric Poetry

Intensive study of a range of European and non-European lyric poetry in translation.

Eng 400 (S) 3 hrs. cr.

History of the English Language

The ancestors of English and the effect of other languages, peoples, and cultures upon the development of English. Phonology, morphology, syntax, and usage of the language throughout its history.

Eng 410 3 hrs. cr.

Medieval English Literature

Literature of England in the Anglo-Saxon and Middle English periods. Emphasis on the works of Chaucer.

Eng 415 3 hrs. cr.

Renaissance Prose and Poetry

English poetry and prose from 1500 to 1660. Focus on major figures such as Sidney, Spenser, Donne, Marvell, and Milton.

Eng 420 3 hrs. cr.

English Drama to 1800

English drama from its beginnings to 1800 (excluding Shakespeare). Focus on the period of great English drama of the Renaissance and on Restoration comedy. Includes major figures such as Marlowe, Jonson, Webster, and Congreve.

Eng 425 3 hrs. cr.

Restoration and Eighteenth Century English Literature

Poetry and prose in England from 1660-1798, representing Neoclassicism and the Enlightenment. Focus on major figures such as Dryden, Pope, Swift, Johnson, and Burns.

Eng 430 3 hrs. cr.

The Romantic Period

English literature from 1798 to 1832 treating representative authors from Wordsworth through Keats.

Eng 435 3 hrs. cr.

The Victorian Period

English literature from 1832 to 1901 examining representative authors such as Tennyson, Carlyle, Browning, and Dickens.

Eng 450 (F) 3 hrs. cr.

Shakespeare

Selected comedies, histories, tragedies, romances, and poems.

Eng 455 3 hrs. cr.

English Literature: Major Figures

An intensive study of a major author or authors whose contribution to English literature is of significant worth. May be repeated with variation of author.

Eng 460 3 hrs. cr.

American Literature: Major Figures

An intensive study of a major author or authors whose contribution to American literature is of significant worth. May be repeated with variation of author.

Eng 480 3 hrs. cr.

Literary Criticism

Major schools of criticism and the major representatives of each school.

Eng 491 1-8 hrs. cr.

Internship in English

Practical experience using writing skills in a professional environment. All internships must conform with institutional policy regarding the number of hours per credit and contractual agreements with cooperating facility. No more than three hours may be counted toward a major or minor. Prerequisites: Advanced standing with a GPA of 3.0 and approval of a departmental committee.

Eng 498 3 hrs. cr.

Seminar in Literature

For advanced English majors or by permission of department head. Topic open.

Eng 499 1-3 hrs. cr.

Independent Study

Individually directed study in selected areas for advanced English majors. Prerequisite: a GPA of 3.0 in English. Enrollment must be approved by adviser, department head and school dean.

Environmental Health

Reynolds Hall 313A, 625-9731

Faculty Adams - Coordinator, Fletcher, Tillman

The College offers the four-year bachelor of science in environmental health with three options. The program is fully accredited by the National Environmental Health Association (NEHA).

Bachelor of Science Option I: Water and Wastewater Management

This bachelor of science degree requires three academic years of study at Missouri Southern preceded or followed by successful completion of the Water and Wastewater

Environmental Health / 79

program at Crowder College, Neosho, Mo., or the Environmental Water Technology program, with emphasis in water and wastewater, at Fort Scott Community College at Fort Scott, Ks. At Missouri Southern the student pays the same fees as any other student if residency requirements have been met.

Option II: Hazardous Materials Management

This bachelor of science degree requires three academic years of study at Missouri Southern preceded or followed by successful completion of the Hazardous Materials Management program at Crowder College, Neosho, Mo. At Missouri Southern the student pays the same fees as any other student if residency requirements have been met.

Option III: Community and Occupational Health

This bachelor of science degree requires four complete academic years at Missouri Southern, including an internship. Plans for the internship should be made with the student's adviser during the spring semester of the junior year.

Bachelor of Science Environmental Health Major (Major Code 1299)

	Semester	Hou	ırs
Core Requi	rements (p. 43) 51*		39
Biology and	d Environmental Health		
Core		30-	31
Bio 101	General Biology	4	
Bio 231	General & Medical		
	Microbiology	5	
Bio 290	Research Methods		
	in Biology	2	
Bio 306	Human Phys & Anat (5)		
OR			
Bio 431	Animal Physiology (4)	4-5	
Eht 312	Environmental Biology	4	
Eht 370	Environmental Health	3	
Eht 371	Toxicology	2	
Eht 372	Environmental Reg and	100	
	Program Adm	2	
Eht 380	Epidemiology	2 3	
Eht 381	Risk Assess & Comm	1	
Mathematic	cs and Physical Science		
Requiremen	nts		30
Math 140	College Algebra and		

Trigonometry

Chem 101 General Chemistry I

Chem 102 General Chemistry II

Chem 201 Analytical Chemistry I

5

5

Chem 300	Introduction to Modern	
	Organic Chemistry	5
Phys 151	Elementary College	
	Physics	5
College Con	mputer Requirement	2-3
Bio 303	Computer Applications	in
	Biology (2)	
OR	prigue time to participate	
Approved C	Computer Course (3)	2-3

Option I

water and wastewater Managemen	nt
Water and Wastewater Technical	
School	30

Upper Division Hours Awarded 20 132-133 Option II

Hazardous Materials Management

	132-13
Upper Division Hours Awarded	20
Hazardous Materials Management	30
and the state of t	-

Option III

Community and Occupational Health

Select approved courses to

complete a	30 hr. block of which	
20 hours m	ust be Eht courses	
and include	e ET 377, Eht 378,	
and Eht 450).	30
Bio 240	Radiation Biology	3
Bio 361	Parasitology	4
Bio 402	General Ecology	4
Bio 481	Aquatic Ecology	4
Eht 298	Selected Topics in	
	Environmental Health	1-8
Eht 373	Solid Waste Manage	2
Eht 375	Vector Control	2
Eht 376	Soils and Small Sevage	
	Disposal Systems	2
Eht 377	Community Sanitation	4
Eht 378	Occupational Hlth &	
	Safety	3
Eht 385	Food, Milk and	
	Consumer Protection	4
Eht 450	Internship in Environ-	
	mental Health	1-8
Eht 498	Seminar in Environment	tal
	Health	1-3
Eht 499	Problems in Environ-	
	mental Health	1-3
Eht 300	Environmental Geology	4
	13	2-133

Majors satisfy the Writing Intensive (WI) requirement by completing ENG 101 and 102 (or their equivalent) and three WI classes in environmental health, biology or a supporting area. See page 44 for Writing Intensive requirements. Math 130 + Math 112 is equivalent to Math 140.

*Required courses in biology, chemistry, mathematics and physics satisfy major requirements and 12 hrs. of the Core Curriculum.

Suggested Order of Study

Bachelor of Science Degree Major Code 1299

Environmental Health Major

Freshman \	/ear	
1st Semeste	er	
Course		Hou
Bio 101	General Biology	4
CORE	[American Cultural Stu]	3
CORE	[Eng 101 Comp I]	3
CORE	[Kine 101 Physical Activity]	1
CORE	[Psy 120 College Orient]	1
Math 140	College Algebra & Trig	5
		17
2nd Semest	er	
0000		_

2nd Semeste	r	
CORE	[Behavioral Science]	3
CORE	[Eng 102 Comp II]	3
CORE	[American Cultural Studies]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Humanities and Fine Arts]	3
		17

Sophomore Year 1st Semester CORE [American Cultural Studies] 3 Bio 231 Gen/Med Microbio (Bio 101) 5 Chem 101 Gen Chemistry I (Math 140) 5 CORE [Comm 100 Oral Comm] 3 16

2nd Semester

Chem 102	Gen Chem II (Chem 101)	5
Bio 290	Res Meth in Bio	
	(Bio 101, Math 140)	2
Bio 303	Comp Appl in Bio (Bio 10	1)
OR		
Approved co	omputer course	2-3
CORE	[American Cultural Stu]	3
Phy 151	Elem Col Phy (Math 140)	5
		16-17

CORE	[International Cultural Stu]	3
CORE	[American Cultural Stu]	3
		6

Junior Year		
1st Semeste	r	
Bio 306	Hum Phys & Anat	
	(consent)	
OR		
Bio 431	Animal Phys (Bio 331)	4-5
Eht 312	Environmental Biology	
	(Bio 101)	4
Chem 201	Analytical Chemistry I	
	(Chem 102)	
CORE	[Humanities & Fine Arts]	

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2nd Semeste		
Chem 300	Intro to Mod Org Chem	
	(Chem 102)	5
Eht 372	Env Reg & Pro Adm	
	(Eht 312 & 370)	2
Eht 370	Environmental Health	
	(Bio 231)	3
Eht 371	Toxicology (Bio 306)	2
Eht 380	Epidemiology (Bio 290)	3

Senior Year

Option I: Water and Wastewater Management 30 (30 hours; 20 upper division awarded)

Option II: Hazardous Materials Management (30 hours; 20 upper division awarded)

Option III: Community and Occupational Health

Select approved courses to complete a 30 hr. block from the following. The block must have 20 hours of Environmental Health courses and

include Eht	377, 378, and 450.	
Bio 240	Radiation Biology (Bio 306)	3
Bio 361	Parasitology (Bio 122)	4
Bio 402	General Ecology (Consent)	4
Bio 481	Aquatic Ecology (Consent)	4
Eht 298	Sel Topics in Envir Health	
	(Bio 101, 112 & 122)	1-8
Eht 300	Environmental Geology	
	(Phys 100)	4
Eht 373	Solid Waste Manage (Eht 312	3
	& 370)	
Eht 375	Vector Control (Eht 312	
	& 370)	2
Eht 376	Soils & Small Sewage	
	Disposal Systems (Consent)	2
Eht 377	Community Sanitation	
	(Eht 370)	4
Eht 378	Occupational Hlth & Safety	3
Eht 385	Food, Milk & Consumer	
	Protection (Eht 312 & 370)	4
Eht 450	Internship in Environ-	
	mental Health (consent)	1-8
Eht 498	Seminar in Environ-	
	mental Health (consent)	1-3
Eht 499	Problems in Environmental	
	Health (consent)	1-3
	1	32-133

[Departmental Recommendations] (Prerequisites)

Program must satisfy Writing Intensive (WI) requirements page 44.

For additional information contact:

Dr. Wavne Adams

Office: Reynolds Hall 317C

Phone: 625-9731

Mr. Michael Fletcher Office: Reynolds Hall 303

Phone: 625-9765

Course Descriptions

Eht 298 (Demand) 1-8 hrs. cr.

Selected Topics in Environmental Health

Special topics in environmental health not normally included in another course. Prerequisite: Permission.

Eht 300 (Demand) 4 hrs. cr.

Environmental Geology

Introduction to man's relationship to the earth's environment. Limitations of natural resources and future projections are considered along with man's demands on the environment. Oil spills, surface mining, waste disposal, ground water and other problems of a geologic nature are reviewed. Natural environmental hazards, such as volcanoes, earthquakes, subsidence, mass movements and floods are examined. Prerequisites Phys 100 or 151 (Double listed in geology.)

Eht 312 (F) 4 hrs. cr. **Environmental Biology** (Writing Intensive) Environmental factors and their interactions with living organisms. Emphasis on human ecology and wise natural resource utilization. Three lectures, one 2 hr. lab per week. Prerequisite: Bio 112 and 122 or permission. (Double listed in biology.)

Eht 370 (Demand) 3 hrs. cr. **Environmental Health**

Contemporary heatlh problems and public heath protection measures, including public health disease prevention, and environmental health hazards. Three lectures per week. Prerequisite: Bio 231. (Double listed in biology & environmental health.)

Eht 371 (S) 2 hrs. cr.

An introduction to toxicants which threaten the health of humans. Three lectures per week. Prerequisite: Bio 306.

2 hrs. cr. Eht 372 (F, Odd)

Environmental Regulations and Program Administrations

Study of regulations which constitute the basis for management of environmental agencies and organization of environmental health agencies. Prerequisite: Eht 312 and 370 (Bio 312 and 370).

Eht 373 (S, Even) 2 hrs. cr.

Solid Waste Management

Introduction to the problems and solutions related to the generation, storage, collection and disposal of solid wastes. Management aspects of planning, organizing, designing and operating refuse collection and disposal systems also included. Prerequisite: Eht 312 and 370 (Bio 312 and 370).

Eht 375 (S, Even) 2 hrs. cr. **Vector Control**

Identification and control of organisms which serve as reservoirs and vectors of diseases. One lecture, one 2-hr. lab per week. Prerequisite: Eht 312 and 370 (Bio 312 and 370).

Eht 376 (Demand) 2 hrs. cr. Soils and Small Sewage Disposal Systems

Information on soils and state regulations necessary to locate sites, perform soil percolation tests and design small sewage disposal systems. One lecture and two hours of laboratory (field activities) per week. Prerequisite: permission.

4 hrs. cr. Eht 377 (S, Odd)

Community Sanitation

Introduction to concepts, principles and methods generally useful in performance of duties of city and county health department personnel. Three lectures, one 2-hr. lab per week. Prerequisite: Eht 312 and 370 (Bio 312 and 370).

Eht 378 (S, Even) 3 hrs. cr.

Occupational Health and Safety

An introduction to the concepts, principles, and methods generally employed by industrial health and safety officers in the performance of the duties. Prerequisite: permission.

Eht 380 (S, Odd) 3 hrs. cr.

Epidemiology

Introduction to the concepts, principles and methods generally useful in the surveillance and investigation of communicable disease. Prerequisite: Bio 290. (Double listed in biology.)

Eht 381 (Demand) Risk Assessment and Communication

Introduction to the concepts, principles, and methods generally useful in assessing risk and communicating the levels of risk to workers and the public. Prerequisite: permission.

Eht 385 (F, Even) 4 hrs. cr. Food, Milk and Consumer Protection

Introduction to production, processing, transporting and retailing of food, milk, shellfish and other foods. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 231, Eht 312 (Bio 312) and Eht 370 (Bio 370).

Eht 450 (F, S) 1-8 hrs. cr.

Internship in Environmental Health

Experience in actual observation and work at health facilities, health regulation agencies and/or industrial plants where environmental health is a viable concern. Periodic meetings between the Missouri Southern coordinator, the cooperating institution and the student will be required. The student should not be employed in any job that will prevent full-time, maximum concentration on the academic internship. Prerequisite: Senior standing in environmental health or biology curricula.

Eht 498 (Demand) 1-3 hrs. cr.

Seminar in Environmental Health

For upper division environmental health and biology majors only. Meets regularly a minimum number of hours. Designed to give specialized instruction in some discipline of environmental health not covered in other courses. Prerequisites: Junior standing, 20 hrs. in environmental health and/or biology and a minimum GPA of 2.5 in environmental health and/or biology or permission.

Eht 499 (Demand)

1-3 hrs. cr.

Problems in Environmental Health

Individual work under the supervision of a staff member, with the credit and hours to be arranged. Problems may be undertaken in any field of environmental health, with adequate preparation and the consent of the supervising instructor, coordinator, department head and school dean. Prerequisites: Minimum GPA of 3.0 in 20 hrs. of environmental health and/or biology.

Foreign Languages and Literatures

Webster Hall 353, 625-9580

Faculty Massa - Head, Burch, Cramer, Crawford, Hou, Karmanova, Sartori, Schweizer, Talavera, Weber

Once it was simply said that fluency in a second language would be a valuable social and business asset. Now, however, a second language is deemed a necessity in solving many of the world's problems of this and the next century. The problems, we have learned, have their beginnings in understanding one another's words, ideas, cultures and beliefs. For business, foreign language skills have become an advantage, as The Wall Street Journal has pointed out editorially: "American managers with language skills open more doors." And The New York Times wrote: "American ignorance of other tongues has been hurting American business executives...."

In a college with an international mission, it becomes the task of the department of communications and its faculty in foreign languages to help students achieve communications skills in a non-native language.

To that end, the department has structured its foreign language offerings on a communicative-based system of instruction so that students who enroll in a course will learn to use the language in situations they may find themselves in during their lives. Language study becomes, therefore, an extremely practical tool.

A major in Spanish permits an in-depth study of the cultural heritages of various Hispanic civilizations. Extensive study in any of the languages offered, however, when combined with majors in business, political science or communications, as some examples, is especially valuable for students of the 1990s. Whether the students' interests are in the European community, the booming tourism profession, Pacific Rim trade or international politics, they will wish to develop a high level of proficiency in a foreign language.

For all students, the department provides opportunities for study abroad. Through the International Student Exchange Program students may choose from a wide variety of colleges and universities around the world for a semester or a year of study. The department also offers advice concerning the role of language study in career planning. Whether enrolled or not in an international program, students may wish to examine the possibilities offered by foreign language study in enriching their careers. Membership in Beta Rho Chapter of Phi Sigma lota, national honorary society in foreign languages, is available to outstanding students.

Students who have had no previous foreign language training are advised to enroll in a 101 course. Students with one year of high school foreign language classes also should enroll in a 101 course. Students who had two years of a language in high school should enroll in a 102 course of the same language, if they received at least a "B" in the high school language. Students who had three or four years of high school foreign language study may enroll in a 203 course in the same language, provided their high school grades were a "B" average in that language. Students who may have attained a proficiency greater than that offered in a 203 course will be placed appropriately after an assessment is made of their skills. In all cases, students should arrange with their instructors to "testout" of lower-numbered courses to receive credit.

Questions concerning the foreign language program should be addressed to the department of communications.

Bachelor of Arts with a Major in Spanish

Semester Hours

	Schleste	1 louis
Core Requirements (p. 43)		
Computer	Literacy Requirement:	
Comp 105	Intro to Micro Use	3
Foreign Language		12
Spanish Requirements		
Span 204	Intermediate Spanish II	3
Span	Electives chosen with	

approval of Spanish adviser, but must include 306 or 307; 321 or 322; and 333 or 334. At least 3 additional hours must be upper-division. 30

Supporting Requirements: (choose two) 6 Comm 305 Intercultural Communication 3 GB 310 International Business 3 PSc 321 International Relations 3 OR

any other approved upper-division course in an international field of study.

Electives 23

*Must include at least 40 upper-division (300-400 level) hours.

Bachelor of Science in Education with a Major in Spanish

Grades K-12 Certification
Plan A One of Two Teaching Fields

Semester Hours

Core Requirements (p. 43) 51* 48 **Computer literacy Requirement: Educ 301** Use of Computer Software in the Classroom 3 Spanish Requirements** 36 Span 101 Beginning Spanish I 3 Span 102 Beginning Spanish II 3 Intermediate Spanish I Span 203 3 Span 204 Intermediate Spanish II 3 Span 210 Beginning Conversation 3 Span 300 Spanish Composition and Syntax Span 302 Introduction to Hispanic Literature 3 **Advanced Conversation** 3 Span 305 Span 306 Introduction to Spanish Civilization 3 Span 307 Introduction to Latin American Civilization 3 Span 320 Advanced Spanish Composition 3 Span 321 Peninsular Literature (El Cid to Calderon) OR Span 322 Peninsular Literature (Romantics to Present) OR Span 333 Survey of Spanish-

American Literature I

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OR		
Span 334	Survey of Spanish-	
	American Literature	II 3
Education	Certification Require	ements
(p. 134)		38-39
Second Te	aching Field (some	
fields exce	eed 30 hrs.)	30
		155-156***

*Required course in psychology satisfies the requirements for three hours of the Core Curriculum.

**A candidate for a degree under Plan A must meet with the Spanish faculty for three orientation sessions at the time of declaring a Spanish education major. These sessions will cover requirements of the program, and a mentor will be assigned the student.

***A minimum of 128 hours is required for a degree, but the exact number depends on the second field. In this example, the total number of hours is greater than 128.

Bachelor of Science in Education with a Major in Spanish

Grades K-12 Certification Plan B **Single Teaching Field**

Semester Hours

	Semester	nours
Core Requirements (p. 43) 51*		
Computer	Literacy Requirement:	
Educ 301	Use of Computer Softwar	e
	in the Classroom	3
Spanish Re	equirements**	39
Span 101	Beginning Spanish I	3
Span 102	Beginning Spanish II	3
Span 203	Intermediate Spanish I	3
Span 204	Intermediate Spanish II	3
Span 210	Beginning Conversation	3
Span 300	Spanish Composition	
	and Syntax	3
Span 302	Introduction to Hispanic	
	Literature	3
Span 305	Advanced Conversation	3
Span 306	Introduction to Spanish	
	Civilization	3
Span 307	Introduction to Latin	
	American Civilization	3
Span 320	Advanced Spanish	
	Composition	3
Span 321	Peninsular Literature	
	(El Cid to Calderon)	
OR		
Span 322	Peninsular Literature	
	(Romantics to Present)	3
Span 333	Survey of Spanish-	
	American Literature I	

OR		
Span 334	Survey of Spanish-	
	American Literature II	3
Education	Certification Requirements	
(p. 149)		38
•		128

*Required course in psychology satisfies the requirements for three hours of the Core Curriculum.

**A candidate for a degree under Plan B must meet with the Spanish faculty for three orientation sessions at the time of declaring a Spanish education major. These sessions will cover requirements of the program, and a mentor will be assigned the student.

Minor in Spanish

A minor in Spanish requires the student to complete 12 hours of approved courses beyond Span 204 or the equivalent level of proficiency. Courses for the minor must include one class at the 300 level or above in each of the following four areas: Civilization, conversation, literature, and one area of choice.

Minor in French

A minor in French requires 18 hours of courses in French of which six must be upper division.

Minor in German

A minor in German requires 18 hours of courses in German of which six must be upper division.

Suggested Order of Study

Bachelor of	Arts
Major Code	1105
Spanish Mair	O.F.

Freshman Year

1st Semester		
Course		Hours
Span 101	Beginning Spanish I	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Math 110 Intro to Col Math	1] 3
CORE	[Kine 103 Lifetime Wellness	5] 2
CORE	[Humanities and Fine Arts]	3
Psy 120	College Orientation	1

2nd Semester		
Span 102	Beginning Spanish II	3
CORE	[Eng 102 Comp II]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Kine 101 Physical Activity]	1
		15

Sophomore Year

1st Semester		
Span 203	Intermediate Spanish I	3
CORE	[Humanities and Fine Arts]	3
CORE	[Bio 101 General Biology]	4
CORE	[Hist 110 U.S. History]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
	1	16
0 10 .		

Span 204	Intermediate Spanish II	3
Span 210	Beginning Conversation	3
CORE	[Psy 100 or Soc 110]	3
Comp 105	Intro to Micro Use	3
CORE	[Hist 320 U.S. History]	3
		15

Junior Year

1st semester		
Span 300	Spanish Comp & Syntax	3
Span 305	Advanced Conversation	3
CORE	[Econ 180 Amer Econ Sys]	3
Electives*		6
		15

zna semest	el	
Span 302	Intro to Hispanic Lit	3
Span 307	Intro to Lat Amer Civ	3
Span 320	Advanced Span Comp	3
Span 322	Peninsular Literature	3
Supporting	Requirements	6
		18

Senior Year		
1st Semeste	r	
Span 304	Spanish Phonology	2
Span 306	Intro to Span Civilization	3
Span 321	Peninsular Literature	3
Span 333	Survey of Span-Amer Lit I	3
Electives*		5
		16
2nd Semeste	er	
Span 334	Survey of Span-Amer Lit II	3
Span 400	Hispanic Drama	3
Flectives*		9

*Electives should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one

[Department Recommendations]

Phone: 625-9372

For additional information contact: Mr. Richard W. Massa Office: Webster Hall 362

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- The same of the								
Bachelor	of Science in Education		2nd Semest	er		2nd Semest	er	
Major Cod			Span 302	Intro to Hispanic Lit	3	Span 102	Beginning Spanish II	3
	Major (Plan A)		Span 307	Intro to Latin Amer Civ	3	Psy 100	General Psychology	3
•		-	Span 320	Advanced Span Comp	3	CORE	[Eng 102 Comp II]	3
	12 Certification			r 322, or 333, or 334	3	CORE	[Kine 101 Physical Activity	
One of Tv	vo Teaching Fields		Educ 422	Rdng in Sec Sch	2	CORE	[Humanities and Fine Arts]	
			Electives*	Second Teaching Field	6	CORE	[Hist 110 U.S. History]	3
Freshman \	Year		Licetives	Second reaching ricid	20	CORL	[[1130 110 0.3.11[30[7]]	16
1st Semeste	er				20			10
Course		Hours	Senior Year			Sophomore	Voor	
Span 101	Beginning Spanish I	3		udent teaching. All course we	ork	1st Semeste		
CORE	[Eng 101 Comp I]	3		mpleted except for Professiona		Take C-Base		
CORE	[Comm 100 Oral Comm]	3	Semester co		a i	Span 203	Intermediate Spanish I	3
CORE	[Math 110 Intro to Col Math	1] 3	1st Semeste			Educ 200	Orientation to Educ II	1
CORE	[Kine 103 Lifetime Wellness	3] 2	Span 306	Intro to Span Civilization	3	CORE	[PSc 120 Gov't: U.S./Sta/Lo	
Psy 120	College Orientation	1	CORE	[Hist 320 U.S. History]	3	CORE	[Humanities and Fine Arts]	-
Educ 100	Orientation to Educ I	1	CORE	[Econ 180 Amer Econ Sys]	3	CORE	[Phys 100 Fund of Phys Sci	
Elective*	Second Teaching Field	3	Educ 412		2-3	Psy 305	Developmental Psychology	
		19	Comm 305	Intercultural Communication		134 303	Developmental 1 sychology	19
			Electives*	Second Teaching Field	5	2nd Semest	er	13
2nd Semest	ter		Licetives		9-20		dmission to teacher education	1
Span 102	Beginning Spanish II	3			20	Span 204	Intermediate Spanish II	3
Psy 100	General Psychology	3	2nd Semest	er		Span 210	Beginning Conversation	3
CORE	[Eng 102 Comp II]	3	Educ 402	Foundations of Educ	2	Psy 310	Educational Psychology	2
CORE	[Kine 101 Physical Activity]	1	Educ 432	Critical Issue in Educ	2	CORE	[Humanities and Fine Arts]	
CORE	[Humanities and Fine Arts]	3	Educ 345	Tchng For Lang K-12	2	CORE	[Bio 101 General Biology]	4
CORE	[Hist 110 U.S. History]	3	Educ 464	Student Teaching	8	Educ 302	The Exceptional Child	2
Elective*	Second Teaching Field	6			14	2000 302	The Exceptional Clina	17
		22						.,
			*Electives s	nould be chosen in consultati	on with	Junior Year		
Sophomore				s major adviser and with the ac			competencies.	
1st Semeste	er			ember in a minor field of study		1st Semeste		
Take C-Bas			is chosen.		,	Span 300	Spanish Comp & Syntax	3
Span 203	Intermediate Spanish I	3	**Must be	taken prior to the student to	eaching	Span 305	Advanced Conversation	3
Educ 200	Orientation to Educ II	1	semester.		0	Educ 329	Ped Theo, Meth & Prac	4
CORE	[PSc 120 Gov't: U.S./Sta/Loc	[] 3				Educ 321	Microteaching	2
CORE	[Humanities and Fine Arts]	3	[Departmen	t Recommendations]		Educ 301	Use of Computer Software	3
CORE	[Phys 100 Fund of Phys Sci]	5					in the Classroom	
Psy 305	Developmental Psychology	4	For addition	nal information contact:		Educ 423	Classroom Management	2
Elective*	Second Teaching Field	4	Mr. Richar	d W. Massa				17
		23		ebster Hall 362				
2 16	The state of the s		Phone: 62			2nd Semeste	er	
2nd Semest				33,2		Span 302	Intro to Hispanic Lit	3
	dmission to teacher education.	2				Span 307	Intro to Latin Amer Civ	3
Span 204	Intermediate Spanish II	3	Dark dan a	f 6 -: :- F-l		Span 320	Advanced Span Comp	3
Span 210	Beginning Conversation	9		of Science in Education		Span 322	Peninsular Literature	3
Psy 310	Educational Psychology	2	Major Cod			Comm 305	Intercultural Communication	on 3
CORE	[Humanities and Fine Arts]	5	Spanish M	ajor (Plan B)		Educ 422	Rdng in Sec Sch	2
CORE	[Bio 101 General Biology]	4	Grades K-	12 Certification				17
Educ 302 Elective*	The Exceptional Child Second Teaching Field	5	Single Tea	ching Field				
Liective	Second reaching rield	20				Senior Year		
		20	Freshman Y	ear		, , ,	udent teaching. All course wo	
Junior Year			1st Semeste	· Other Control of the United States			npleted except for Professiona	11
	competencies.		Course		Hours	Semester co		
1st Semeste			Span 101	Beginning Spanish I	3	1st Semester		2
Span 300	Spanish Comp & Syntax	3	CORE	[Eng 101 Comp I]	3	Span 306	Intro to Span Civilization	3
Span 305	Advanced Conversation	3	CORE	[Comm 100 Oral Comm]	3	Span 333	Survey of Span-Amer Lit I	3
Educ 329	Ped Theo, Meth & Prac	4	CORE	[Math 110 Intro to Col Math	n] 3	CORE	[Hist 320 U.S. History]	3
Educ 321	Microteaching	2	CORE	[Kine 103 Lifetime Wellness	s] 2	CORE	[Econ 180 Amer Econ Sys]	3
Educ 301	Use of Computer Software	3	Psy 120	College Orientation	1	Educ 412	or Educ 420* or Psy 412	2-3
	in the Classroom		Educ 100	Orientation to Educ I	1		14	4-15
Educ 423	Classroom Management	2			16	and Coment	OF.	
Elective*	Second Teaching Field	3				2nd Semeste		2
2.000170	Total Caching Field	20				Educ 402	Foundations of Educ	2
						Educ 432	Critical Issue in Educ	2
						Educ 345	Tchng For Lang K-12	2
						Educ 464	Student Teaching	8
								14

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All courses should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

*Must be taken prior to the student teaching semester.

[Department Recommendations]

For additional information contact:

Mr. Richard W. Massa Office: Webster Hall 362 Phone: 625-9372

Course Descriptions

Arabic (Ara)

Ara 101 (Demand)

Beginning Arabic I

Fundamental elements of modern standard Arabic. Basic sentence patterns and grammar.

Ara 102 (Demand)

3 hrs. cr.

Beginning Arabic II

A continuation of 101. Further introduction to the basic skills of listening to and speaking the Arabic language. Prerequisite: Ara 101.

Ara 203 (Demand)

Intermediate Arabic I

Systematic development of communicative skills in Arabic. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Ara 102.

Ara 204 (Demand)

3 hrs. cr.

Intermediate Arabic II

Continuation of 203. Further systematic development of communicative skills in Arabic. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Arabic 203.

Ara 298 (Demand)

1-3 hrs. cr.

Selected Topics in Arabic

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Ara 498 (Demand)

1-3 hrs. cr.

Special Topics in Arabic

For upper-division students. Topics to be announced each time the course is offered.

Ara 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in Arabic. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

Chinese (Chi)

Chi 100 (Demand)

1 hr. cr.

Introductory Chinese

Introductory course which will acquaint students with Chinese customs, culture, social behaviors, pinyin (Chinese Phonetic Alphabet) and Romanization. The course which will be primarily taught in English will mainly focus on spoken Chinese and written symbol basics such as radicals. No grammar or structural patterns will be explicitly taught in this course. Prerequisite: none.

Chi 101 (Demand)

3 hrs. cr.

Beginning Chinese I (Mandarin)

Pronunciation, grammar, elementary conversation, development of basic communicative skills.

Chi 102 (Demand)

3 hrs. cr.

Beginning Chinese II (Mandarin)

A continuation of 101. Pronunciation, grammar, elementary conversation. Prerequisite: Chi 101.

Chi 203 (Demand)

3 hrs. cr.

Intermediate Chinese I (Mandarin)

Systematic development of communicative skills in Chinese. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Chi 102.

Chi 204 (Demand)

3 hrs. cr.

Intermediate Chinese II (Mandarin)

A continuation of Chinese 203. Further systematic development of communicative skills in Chinese. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Chi 203.

Chi 298 (Demand)

1-3 hrs. cr.

Selected Topics in Chinese

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Chi 498 (Demand)

1-3 hrs. cr.

Special Topics in Chinese

For upper-division students. Topics to be announced each time the course is offered.

Chi 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in Chinese. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

French (Fren)

Fren 101 (F, S)

3 hrs. cr.

Beginning French I

The first semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures.

Fren 102 (F, S)

3 hrs. cr.

Beginning French II

The second semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: Fren 101 or equivalent level of proficiency.

Fren 203 (F, S)

3 hrs. cr.

Intermediate French I

The third semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: Fren 102 or equivalent level of proficiency.

Fren 204 (F, S)

3 hrs. cr.

Intermediate French II

The fourth semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: Fren 203 or equivalent level of proficiency.

Fren 298 (Demand)

1-8 hrs. cr.

Selected Topics in French

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Fren 301 (F, S)

3 hrs. cr.

Readings & Conversation

Continued development of the four basic language skills in the target language through readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 302 (F, S)

Contemporary French Culture and Civilization Continued development of language skills (listening, speaking, reading, writing). Contemporary France, the daily life of its people, the social and economic institutions which impact them, and the arts and media will be the focus for reading and discussion. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 303 (Demand)

3 hrs. cr.

French Composition

Practice in writing French accompanied by a study of grammar and syntax. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 305 (Demand)

3 hrs. cr.

Contemporary Francophone Cultures

Analysis of contemporary life in selected Frenchspeaking regions: Québec, Sénégal, and Guadeloupe and Martinique. Students will continue to develop their French language skills. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 322 (Demand)

3 hrs. cr.

Twentieth-Century French Literature

Reading and discussion of twentieth-century lit-

erature from France and the Francophone world. Prerequisite: Fren 301 or equivalent level of proficiency.

French Cinema

3 hrs. cr.

A survey of the most important aspects of cinematography and cinematographic production in France. Covers major figures in the field of film and an introduction to the major movements. Taught in French with readings both in French and English. Prerequisite: Fren 204 or the equivalent

Fren 345 (Demand)

level of proficiency.

1-8 hrs. cr.

Internship in French Off-campus work experience in areas related to professional goals of students. For advanced students in French. Application must be made during the first half of one semester for the following semester and must be approved prior to enrolling. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisite: A minimum of 18 hours in French with a minimum 3.0 g.p.a.; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

Fren 400 (Demand)

3 hrs. cr.

French for Business

An introduction to French business terminology, concepts, situations, and procedures. Oral and written activities will continue to develop French language skills within a commercial context. Prerequisite: Fren 301 or equivalent level of proficiency.

Fren 498 (Demand)

1-8 hrs. cr.

Special Topics in French

Advanced topics not normally included in regular offerings. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Fren 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in French. Prerequisite: Permission of instructor. The proposed study must be approved by instructor, adviser, department head and dean in advance of enrollment.

German (Ger)

Ger 101 (F, S)

3 hrs. cr.

Beginning German I

An introduction to the basic skills of understanding, speaking, reading and writing in German and to the study of the German speaking cultures.

Ger 102 (F, S)

3 hrs. cr.

Beginning German II

A continuation of Ger 101. Emphasis on the skills of understanding, speaking and writing in German and on the study of the German speaking cultures. Prerequisite: Ger 101 or the equivalent level of proficiency.

Ger 203 (F. S)

3 hrs. cr.

Intermediate German I

A continuation of Ger 102. Emphasis on the basic skills of understanding, speaking, reading and writing in German and on the study of the German speaking cultures at the intermediate level. Prerequisite: Ger 102 or the equivalent level of proficiency.

Ger 204 (F, S)

3 hrs. cr.

Intermediate German II

A continuation of Ger 203. Emphasis on the basic skills of understanding, speaking, reading and writing in German and on the study of the German speaking cultures, continuing at the intermediate level. Prerequisite: Ger 203 or the equivalent level of proficiency.

Ger 298 (Demand)

1-8 hrs. cr.

Selected Topics in German

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Ger 301 (F, S)

3 hrs. cr.

Readings & Conversation

Continued development of the four basic language skills in the target language through readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Ger 204 or the equivalent level of proficiency.

Ger 302 (F, S)

3 hrs. cr.

Readings in Literature and Culture

Continued development of the four basic language skills in the target language through readings and conversation in culture and literature. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Ger 204 or the equivalent level of proficiency.

Ger 345 (Demand)

1-8 hrs. cr.

Internship in German

Off-campus work experience in areas related to professional goals of students. For advanced students in German. Students must make application for the program during the first half of one semester for the following semester and must be approved prior to enrolling. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisites: A minimum of 18 hours in German with a minimum 3.0 GPA.; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

Ger 498 (Demand)
Special Topics in German

1-8 hrs. cr.

Advanced topics not normally included in regular offerings. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Ger 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in German. Prerequisite: Permission of instructor. The proposed study must be approved by instructor, adviser, department head and dean in advance of enrollment.

Japanese (Jpn)

Jpn 100 (F,S)

1 hr. cr.

Introductory Japanese

Introductory course which will get students acquainted with Japanese alphabet, customs, culture and social behaviors. The course will mainly focus on spoken Japanese and Japanese written alphabet. No grammar or structural patterns will be explicitly taught in this course. Prerequisite: none.

Jpn 101 (Demand) **Beginning Japanese I**

3 hrs. cr.

Pronunciation, conversation and grammar. Aural/oral drill

Jpn 102 (Demand)

3 hrs. cr.

Beginning Japanese II

Continuation of Japanese 101. Additional work in pronunciation, conversation and grammar. Aural/oral drill. Prerequisite: Jpn 101.

Jpn 203 (Demand)

3 hrs. cr.

Intermediate Japanese I

Grammar review and continued aural/oral practice. Prerequisite: Jpn 102.

Jpn 204 (Demand)

3 hrs. cr.

Intermediate Japanese II

Continuation of Japanese 203 with additional grammar review and continued aural/oral practice. Prerequisite: Jpn 203.

Jpn 298 (Demand)

1-3 hrs. cr.

Selected Topics in Japanese

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Jpn 305 (Demand)

3 hrs. cr.

Advanced Japanese I

First half of an advanced course on spoken and written Japanese. This third-year course will continue to focus on the spoken language, but increased attention will be given to reading in the native script and to writing. Students who enroll in the course must be able to read and write in hiragana and katakana, and should be familiar with the basic kanji introduced in Japanese 100 and 200 level. Prerequisite: Jpn 204 or placement test.

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Jpn 306 (Demand)

3 hrs. cr.

Advanced Japanese II

Conclusion of an advanced course on spoken and written Japanese. This third-year course will continue to focus on the spoken language, but increased attention will be given to reading in the native script and to writing. Students who enroll in the course must be able to read and write in hiragana and katakana, and should be familiar with the basic kanji introduced in Japanese 100 and 200 level. Prerequisite: Jpn 305 or placement

Jpn 498 (Demand)

1-3 hrs. cr.

Special Topics in Japanese

For upper-division students. Topics to be announced each time the course is offered.

Jpn 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in Japanese. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

Russian (Rus)

Rus 101 (F, S)

3 hrs. cr.

Beginning Russian I

Emphasis on the basic communicative skills of listening, speaking, reading and writing the Russian language. Structural grammar and basic vocabulary.

Rus 102 (F, S)

3 hrs. cr.

Beginning Russian II

A continuation of Rus 101. Further introduction to the basic skills of listening to, speaking, reading and writing the Russian language. Prerequisite: Rus 101 or equivalent level of proficiency.

Rus 103 (Demand)

6 hrs. cr.

Accelerated Russian for Business

An intensive overview of Russian language for beginners, developing working proficiency in listening, speaking, reading, and writing in the area of business.

Rus 203 (F, S)

3 hrs. cr.

Intermediate Russian I

Systematic development of communicative skills in Russian. Development of vocabulary through reading, writing. Drill in aural/oral skills. Prerequisite: Rus 102 or equivalent level of proficiency.

Rus 204 (F, S)

3 hrs. cr.

Intermediate Russian II

A continuation of Rus 203. Further systematic development of communicative skills in Russian. Development of vocabulary through reading, writing. Drill in aural/oral skills. Prerequisite: Rus 203 or equivalent level of proficiency.

Rus 298 (Demand)

1-3 hrs. cr.

Selected Topics in Russian

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Rus 305 (Demand)

3 hrs. cr.

Conversation and Composition

Film in Soviet and Russian History

Another step in developing a more comprehensive proficiency in Russian with a particular emphasis on speaking and writing. The course demands from the student an active use of new and already acquired vocabulary and grammar structures, as well as of syntactical features of oral and written expression. Prerequisite: Rus 204 or equivalent level of proficiency.

A survey of the most important aspects of cinema-

tography and cinematographic production in the

Soviet Union and Russia. Covers major figures in

the field of film as well as an introduction to the

major filmic schools and movements. Taught in

Russian with readings in both Russian and English.

A survey of the major Russian short stories of the

XIXth and XXth centuries. Classes will involve

discussion of the main figures of Russian literature.

The course is to be taught entirely in Russian.

For upper-division students. Topics to be an-

Individually directed study in Russian. Prerequi-

site: Permission of instructor. The proposed study

must be approved by the instructor, adviser, de-

partment head and dean in advance of enrollment.

nounced each time the course is offered.

Rus 325 (Demand)

Prerequisite: Rus 204.

Rus 330 (Demand)

Russian Short Story

Prerequisite: Rus 204.

Special Topics in Russian

Rus 498 (Demand)

Rus 499 (Demand)

Independent Study

3 hrs. cr.

1-3 hrs. cr.

1-3 hrs. cr.

3 hrs. cr.

3 hrs. cr.

Span 205 (S, Even)

Span 203 (F, S)

Span 204 (F, S)

Intermediate Spanish I

lent level of proficiency.

Intermediate Spanish II

lent level of proficiency.

3 hrs. cr.

Spanish for Business Taught in Spanish. Practical Spanish for persons in business. Prerequisites: Span 203 or the equivalent level of proficiency.

The third semester of Spanish language instruction

developing proficiency in listening, speaking, read-

ing, and writing. One hour weekly laboratory

session required. Prerequisite: Span 102 or equiva-

The fourth semester of Spanish language instruc-

tion developing proficiency in listening, speaking, reading, and writing. One hour weekly laboratory

session required. Prerequisite: Span 203 or equiva-

Span 206 (F,S)

3 hrs. cr.

3 hrs. cr.

3 hrs. cr.

3 hrs. cr.

Spanish for the Humanities

This course is the fourth semester of Spanish language instruction developing proficiency in listening, speaking, reading, and writing. The course is specifically designed for the liberal arts students and will present an overview of the field of humanities in Spanish. Prerequisite: Span 203 or equivalent.

Span 208 (S, Even)

3 hrs. cr.

Spanish for Nursing and Health Professionals Taught in Spanish. Practical Spanish for licensed

or eligible candidates in the health care field. Prerequisites: Spanish 102 or the equivalent level of proficiency, and Health Assessment in English.

Span 210 (S)

3 hrs. cr.

Beginning Conversation

Emphasis on basic survival skills of understanding, speaking, and reading in Spanish, and on the study of Spanish speaking cultures. Prerequisite: Span 203. (This course may not count towards the 12 hour B.A. requirement in foreign language.)

Span 298 (Demand)

3 hrs. cr.

Selected Topics in Spanish

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Span 300 (F)

3 hrs. cr.

Spanish Composition and Syntax

Initial oral and written composition with emphasis on grammar; verbal aspect, modals, and tense contrasts through significant practice and sentence drills. Prerequisite: Span 204 or equivalent level of proficiency.

Span 302 (S)

3 hrs. cr.

Introduction to Hispanic Literature

Peninsular, Latin American and U.S. literature in Spanish viewed in representative works of several genres at levels appropriate for students initiating their study of literature with a modest amount of historical background and culture. Prerequisite: Span 300 or equivalent level of proficiency.

Spanish (Span)

Span 101 (F, S)

Beginning Spanish I

The first semester of Spanish language instruction, developing proficiency in listening, speaking, reading, and writing. One hour weekly laboratory session required.

Span 102 (F, S)

Beginning Spanish II

The second semester of Spanish language instruction developing proficiency in listening, speaking, reading, and writing. One hour weekly laboratory session required. Prerequisite: Span 101 or equiva-

lent level of proficiency.

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Span 304 (F, Even)
Spanish Phonology

2 hrs. cr.

Advanced study of the Spanish sound system: Phonemic composition, historical antecedents, contemporary convention and variation. Study includes: contrasting inventories, syllabication, descriptive analysis, intonation as signal, accentual norms, word groups and consideration of dynamics and dialectology. Prerequisite: Span 300 or equivalent level of proficiency.

Span 305 (F)

3 hrs. cr.

Advanced Conversation

Spanish language and culture in the framework of the students' potential areas of contact: personal, travel and occupational. Conversation is the major course component. Prerequisite: Span 300, or may be taken concurrently with Span 300.

Span 306 (F)

3 hrs. cr.

Introduction to Spanish Civilization

(Writing Intensive)

Continued development of the four basic language skills through reading and conversation in Spanish culture. The study of more complex patterns in communicative skills is emphasized. Taught in Spanish. Prerequisite: Span 300 or equivalent level of proficiency.

Span 307 (S)

3 hrs. cr.

Introduction to Latin American Civilization

Continued development of the four basic language skills in the language through reading and conversation in Latin American Culture. The study of more complex patterns in communicative skills is emphasized. Taught in Spanish. Prerequisite: Span 300 or equivalent level of proficiency.

Span 308 (Demand)

3 hrs. cr.

Latin American Civilization: Mexico

An overview of the history of Latin American civilization using Mexico as the main frame of references and the major case for study. Prerequisite: Span 204 or equivalent level of proficiency.

Span 320 (S, Even)

3 hrs. cr.

Advanced Spanish Composition

Advanced study of the three major components of Spanish grammar, with emphasis on: verbal moods, lexical items, the effects of stress, idiomatic usage, orthography, the principles of translation and composition. Prerequisite: Span 300 or equivalent level of proficiency.

Span 321 (F, Even)

3 hrs. o

Peninsular Literature from El Cid to Calderon

Spain's literary history and important representative works and writings from El Cid to Calderon. Taught in Spanish. Prerequisite: Span 302.

Span 322 (S, Odd)

3 hrs. cr.

Peninsular Literature from the Romantics to the Present

Spanish literature since 1830 with emphasis on Romanticism, Realism, the generation of 1898, contemporary poetry and novel. Taught in Spanish. Prerequisite: Span 302.

Span 333 (F, Odd)

3 hrs. c

Survey of Spanish-American Literature I

Survey of Spanish American literature from its beginnings to Marti. Taught in Spanish. Prerequisite: Span 302.

Span 334 (S, Even)

3 hrs. cr.

Survey of Spanish-American Literature II

Survey of Spanish American literature from Marti to present. Taught in Spanish. Prerequisite: Span 302.

Span 335 (Demand)

3 hrs. cr.

Mexican Literature (Writing Intensive)
Major figures and movements in the history of
Mexican literature with an emphasis on the XXth
century. Taught in Spanish as a seminar. Weekly
lectures will alternate with discussion of the readings on a one-to-one basis. Prerequisite: Span 204
or equivalent level of proficiency.

Span 340 (Demand)

3 hrs. cr.

Latin American Cinema

A survey of the most important aspects of cinematography and cinematographic production in Latin America. Covers major figures in the field of film as well as an introduction to the major filmic schools and movements. Special emphasis will be placed on the cultural context that made the reception and production of the motion pictures a significant event. The course is to be taught entirely in Spanish with readings in both Spanish and English. Prerequisite: Span 204 or equivalent level of proficiency.

Span 343 (Demand)

3 hrs. cr.

Hispanic Children's Literature

Children's literature in Spanish from the Hispanic world in all genres. Weekly lectures on the readings will focus on cultural idiomatic recognition as well as cultural behavioral conditions under which the texts were created. Taught in Spanish. Prerequisite: Span 204 or equivalent level of proficiency.

Span 345 (Demand)

1-8 hrs. cr.

Internship in Spanish

Off-campus work experience in areas related to professional goals of students. For advanced students in Spanish. Students must be approved for the program prior to enrolling. Application must be made during the first half of one semester for the following semester. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisites: A minimum of 18 hours in Spanish with a minimum 3.0 g.p.a.; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

Span 350 (S,Even)

3 hrs. cr.

Latin American Contemporary Issues:

The Others' Perspective

Current Latin American issues studied with the goal of developing consciousness about the last 30 years of Latin American reality from the perspective of the people. Taught in Spanish with some materials in English. The course will use written articles, the Internet and World Wide Web, the Latin American press, and movies. Prerequisite: Span 300.

Span 400 (Demand)

3 hrs. cr.

Hispanic Drama

Select works from Spain and Spanish America's most prominent playwrights. Readings and lectures with discussion on the socio-economic, political and cultural implications of different plays. Taught in Spanish. Prerequisite: Span 302.

Span 498 (Demand)

1-3 hrs. cr.

Special Topics in Spanish Language/Literature

For upper-division students. Topics to be announced each time the course is offered. Prerequisite: As stated in the syllabus for the specific offering.

Span 499 (F, S)

1-3 hrs. cr.

Independent Study

Individually directed study in selected areas for advanced majors in Spanish. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and must have 15 hrs. in Spanish. The proposed study must be approved by instructor, adviser, department head and school dean prior to enrollment.

Other Languages (OL)

OL 298 (Demand)

1-5 hrs. cr

Special Topics in Foreign Languages

Languages not currently a part of the curriculum may be offered on appropriate demand, subject to the availability of faculty. For each offering, a course in a specific target language will be structured with the objective of developing the speaking, understanding, reading and writing skills of the student in the target language. Each offering will have a syllabus stating specific requirements of the course as well as prerequisites.

OL 498 (Demand)

1-5 hrs cr

Advanced Topics in Foreign Languages

Advanced studies in foreign languages and literatures not currently part of the curriculum may be offered on appropriate demand, subject to the availability of faculty. For each offering, a course in a specific language will be structured with the objective of developing further the speaking, understanding, reading and writing skills of the student in the target language, as well as developing a further awareness of the literature of the specific language. Each offering will have a syllabus stipulating specific requirements of the course as well as prerequisites.

88 / Geography

Translating (Tran)

Tran 300 (Demand) 3 hrs. cr.

Introduction to Professional Translating

An introduction to the general principles, procedures, theories, and tools of translating. Students will translate a wide variety of short texts into English. Some basic principles of linguistics will be covered. The language combinations possible will be determined by the availability of faculty at the time of preregistration for the course. Prerequisites: Excellent English language skills and completion of at least one foreign language course at the 300 level or the equivalent.

Geography (Minor)

Webster Hall 241, 625-9564

Faculty Miller - Head, Sale, Schmidt, Sinha

The minor in Geography emphasizes topical and regional studies as well as introduction to geographic techniques, such as Geographic Information System (GIS), and Remote Sensing (RS). Geography offers employment opportunities in education, regional/city planning, environmental studies, and the application of geotechniques. It also complements a program of study for students majoring in International Studies.

Though a major is not offered, sufficient hours are available to meet social studies teacher certification standards. Students may, with the supervision of a social science adviser, take a geography minor consisting of 21 semester hours.

Minor in Geography - 21 hours

Required Core (12 hours):

	Semester	Hours
Geog 211	Regions and Nations	3
Geol 201	Physical Geography*	3
Geog 310	Human and Cultural	
	Geography	3
Geog 352	Introduction to GIS and	
	Remote Sensing	3
		12

Choose 6 hours from systematic geography:

	7	
Geog 311	Political Geography	3
Geog 322	Economic Geography	3

Geog 332	Historical Geography	3
Geog 457	Urban Geography	3
Geog 498	Seminar in Geography	
	(human/cultural)	3

Choose 3 hours from advanced regional geography:

geography:		
Geog 412	Geography and Culture	
	of Latin America	3
Geog 422	Geography of the United	
	States and Canada	3
Geog 462	Geography of Asia	3
Geog 498	Seminar in Geography	
	(advanced regional	
	geography)	3
	slavere and and since	

*For course description, see under Geology.

Course Descriptions

Geog 211 (F, S)

3hrs. cr.

Regions and Nations

Survey of the peoples of the earth and how their activities are influenced by climate, topography and natural resources.

Geog 298 (Demand) 3 hrs. cr. **Topics in Geography**

Special geography topics of current interest. Subjects and instructors are changed each semester. Students are encouraged to submit areas of interest to the social science department.

Geog 310 (F, S) 3hrs. cr.

Human and Cultural Geography

Study of the outcome of interaction between humankind and environment as expressed in the spatial organization of human activities, culture, and settlement patterns.

Geog 311 (S, Odd) 3hrs. cr. **Political Geography**

Geographic factors which have influenced international relations and the policies of states as political units. Emphasis on geopolitics, religion, racial and ethnic groupings and other factors which may contribute to unity or disunity.

Geog 322 (F, Even) 3hrs. cr.

Economic Geography

World commodities and geographic factors which affect their production and make them significant to the world economy.

Geog 332 (S, Even) 3hrs. cr

Historical Geography

Survey of evolving landscapes through time; analysis is made by means of systematic and regional geographic methodologies in order to reconstruct

the changing culture-nature equation.

Geog 352 (S, Odd) 3hrs. cr.

Introduction to GIS and Remote Sensing
An introduction to the basic concepts of map reading, Geographic Information System (GIS),

and Remote Sensing (RS) as tools for spatial analyses and resource management.

Geog 412 (Demand) 3hrs. cr. **Geography and Culture of Latin America**

Cultural and physical regions and natural resources of South America, Central America, and the Caribbean Islands. Special emphasis on current problems and relations with the United States.

Geog 422 (F, Even) 3hrs. cr Geography of the United States and Canada

Geographic analysis of the United States and Canada with emphasis on regional variations of social, economic, and physical phenomena.

Geog 457 (F, Odd) 3hrs. cr. **Urban Geography**

Analysis of the characteristic pattern of urban space, spatial organization of urban settlement and urban societies.

Geog 462 (F, Odd) 3hrs. cr. **Geography of Asia**

Systematic survey of the physical, cultural, economic, and political geography of monsoonal Asia, i.e., South, Southeast, and East Asia.

Geog 498 (Demand) 3hrs. cr.

Seminar in Geography (human/cultural)
Study and analysis of selected topics in human and cultural geography.

Geog 498 (Demand) 3hrs. cr. Seminar in Geography (advanced regional geography)

Study and analysis of selected topics in advanced regional geography.

Geog 499 (Demand) 1-2-3 hrs. cr. Independent Study

For students who wish to do an in-depth study of some specialized topic or who wish to pursue a topic not considered in the department's course offerings. The individualized project will be directed by an instructor/adviser from the geography faculty in consultation with the student.

Geology

Reynolds Hall 210, 625-9376

Faculty Baiamonte - Head, Knapp

Geology, the study of the processes shaping planet earth, is of interest to civil engineers, environmental scientists, geographers, and biologists. Professionals find their background in geology useful for graduate studies, land-use planning, assessment of natural environmental hazards, resource development and waste disposal.

Geology 110 and Geology 320 constitute the basic foundation in geology necessary for more in-depth earth science courses. At Missouri Southern, geology courses are used to supplement other major areas of study and for state certification for teaching general science at the 7-12 grade levels.

Course Descriptions

Geol 110 (S, Odd)

5 hrs. cr.

Introduction to Geology

Materials of the earth, structures and geologic features of the surface in relation to the processes and forces producing them. Laboratory study of minerals and rocks and topographic and geologic maps. Additional one-day field trips may be required. Three lectures, two 2-hr. labs per week.

Geol 180 (F, Odd)

3 hrs. cr.

Introduction to Meteorology

Fundamentals of the circulation of the atmosphere, sequence of weather events. Includes interpretation of weather maps. Three lectures per week. Prerequisite: Physics 100 or equivalent.

Geol 201 (F, Even)

3 hrs. cr.

Physical Geography

Study of the physical or natural aspects of man's environment, with emphasis on land form development, oceanographic features, and climate. Students may not receive credit for both Geol 110 and Geol 201.

Geol 202 (F, Even)

1 hr. cr.

Map and Photo Interpretation

An introduction to the interpretation of topographic maps, aerial photos, and satellite images. One 3-hour laboratory per week. Designed to compliment Geol 201. Prerequisite: Geol 201 or equivalent, may be taken concurrently. Students may not receive credit for both Geol 110 and Geol 202.

Geol 300 (S, Even)

4 hrs. cr.

Environmental Geology
An introduction of man's relationship to the earth's environment. The impact and mitigation of natural disasters, such as volcanoes, earthquakes, landslides, floods, subsidence are analyzed for various actual cases. Includes the effects of oil spills, surface mining, waste disposal, ground water contamination and other man-made geologic hazards. The limitations of natural resources and projections for future needs are considered in terms of man's demand on the environment. Prerequisite: Five credits in physical science, physics, and/or chemistry.

Geol 320 (S, Even)

4 hrs. cr.

Historical Geology

A comprehensive study of the history of the earth within a plate-tectonics context. Emphasizes the global evolution of landscapes and the fossil record. Laboratory includes geologic mapping, the interpretation of geologic history from map and fossil data, and fossil identification. Three hours of lecture and one 2-hr. lab per week. Prerequisites: Geol 110 (Bio 101 or equivalent recommended).

Geol 498 (Demand) Studies in Geology 1-3 hrs. cr.

Topics vary. Seminar and/or field study for upper division students. Regular weekly meetings and/or field trips relating to topics of interest in the earth sciences. Extended field trips will require special lab fee. Prerequisites: Geol 320 and/or consent of the instructor.

Geol 499 (Demand)

1-3 hrs. cr.

Problems in Geology

Individual work under the supervision of a staff member with credit and hours to be arranged. Problems may be undertaken in any field of geology with adequate preparation and the consent of the supervising instructor. Prerequisite: Minimum GPA of 3.0 in 20 hrs. of science, Geol 110 and a proven interest in geology.

History

Webster Hall 241, 625-9564

Faculty Miller - Chair, Cebula, Laas, Markman, Sale, Schmidt, Tannenbaum, Teverow

A bachelor of arts degree with a major in history prepares students for entering career positions in business, governmental and community service fields and for entry into graduate programs in the social sciences and law. A bachelor of science in education with a major in social studies - history em-

phasis - certifies a student to enter professional teaching at the secondary school level. A minor in history is available for students majoring in other disciplines. Also see page 112 for a social sciences minor or the social studies for secondary education minor.

Core Curriculum requirements and Missouri statute requirements are met by History 110 and History 120 or 320. History 130 or 140 may also be used to meet certain Core Curriculum requirements. History 110 or 120 is a prerequisite for all upper division U. S. history courses. History 320 substitutes for 120, but may not be used to fulfill upper division history requirements.

History 130 or 140 is a prerequisite for all upper division European, Asian, or Latin American history courses.

Hist 130 or 140 cannot be taken as a corequisite with any upper division European or Asian history course.

Bachelor of Arts with a Major in History

Semester Hours Core Requirements (p. 43) 51* 42 Computer Literacy Requirement determined by Social Sciences Department 2-3 Foreign Language (four courses in one language) 12 **History Requirements** 34 U. S. History 1492-1877 3 Hist 110 U. S. History 1877-Present Hist 120 OR U. S. History 1877-Present3 Hist 320 Hist 130 Western Civilization to 1660 3 Western Civilization Hist 140 Since 1660 3 Hist 201 Introduction to Historical Research** Seminar in Historical Hist 497 Research** OR Hist 496 (Internship)** Upper Division U.S.** Hist Hist Upper Division European or Asian or Latin American** Hist Upper Division Electives**6

Electives

37-38

^{*}Required History courses satisfy Major requirements and 9 hours of Core Curriculum.

**See Prerequisites.

90 / History

***Must in	nclude at least 40 upper division	Hist 130	Western Civilization To 1660	2nd Semes	ter	
	level) hours.	OR		Hist 140	Western Civ Since 1660	3
(000.00.		Hist 140	Western Civilization	Foreign Lar	nguage	3
			Since 1660 3	CORE	[Soc 110 Intro to Sociology	
Rachelo	or of Science in	Hist	Upper Division U.S.	CORE	[Phys 100 Fund of Phys Sci] 5
			Elective* 3	CORE	[Computer Literacy course	
Education	on with a Major	Hist	Upper Division European		selected with adviser's	3
in Socia	l Studies	11130	or Asian		approval]	17
	12 Certification		or Latin American			.,
History En			Elective** 6	Junior Year	r	
Plan B	Single Teaching Field		18	1st Semeste		
				Hist	Upper Div U.S. (not 320)	3
	Semester Hours	*Must be	chosen with approval of history	CORE	[Humanities and Fine Arts]	
	irements (p. 43) 51* 33	adviser.	one of the control of the control of	CORE	[International Cultural Stu]	3
,	equirements 34			Foreign Lar Elective	[A minor is suggested]	3
Hist 110	U.S.History 1492-1877 3			Liective	[A IIIIIIoi is suggested]	15
Hist 120	U.S. History 1877-Present	Minor i	n Social Studies			
OR	110 111 1077 0			2nd Semes	ter	
Hist 320	U.S. History 1877-Present3		ondary Education	Hist	Upper Division U.S. (not 32	20)3
Hist 130	Western Civilization	See page	112.	Foreign Lar		3
111 . 4 40	to 1660 3			Electives	[A minor is suggested]	9
Hist 140	Western Civilization					15
111 + 201	Since 1660 3			Senior Yea	P.	
Hist 201	Introduction to Historical	Sugg	gested Order of Study	1st Semeste		
11: 4 407	Research** 2			Hist	Upper Div Eur or Asian	
Hist 497	Seminar in Historical				or Latin American**	3
OB	Research**	Bachelor		Hist	Upper Div Elective (not 320	0) 3
OR	/	Major Cod		Electives	[A minor is suggested]	9
Hist 496	(Internship)** 3	History M	ajor			15
Hist	Upper Division U.S.** 6			2nd Semes	tor	
Hist	Upper Division European 3	Freshman \		Hist	Upper Div Eur or Asian	
Hist	Upper Division Latin	1st Semeste		11130	or Latin American**	3
Llint	American 3	Course Hist 110	U.S. History 1492-1877* 3	Hist	Upper Div Elective (not 320	
Hist	Upper Division Asian** 3	CORE	[Eng 101 Comp I] 3	Hist 497	Seminar in Historical Resea	irch
Hist	Upper Division Electives** 6	CORE	[Math 110 Intro to Col Math] 3	OR		
PSc 120	g Requirements 21 Gov't: U.S./State/Local 3	CORE	[Kine 103 Lifetime Wellness] 2	Hist 496	Internship**	3
PSc 120		CORE	[Kine 101 Physical Activity] 1	Electives	[A minor is suggested]	7
Soc 110		CORE	[Humanities and Fine Arts] 3			16
Soc	Introduction to Sociology 3 Upper Division Elective 3	Psy 120	College Orientation 1	*Also meet	ts a Core Curriculum requirem	ent
Geog 211	Regions and Nations 3		16	**See Prere		Circ.
Geog	Upper Division Elective 3	2nd Semes	ter			
Econ 180	Amer Econ System 3	Hist 120	U.S. History 1877-Present*	[Departme	nt Recommendations]	
	Certification Requirements	OR				
(p. 149)	39-40	Hist 320	U.S. History 1877-Present* 3		onal information contact:	
Elective	1-2	CORE	[Eng 102 Comp II] 3		t Markman	
Licetive	128	CORE	[PSc 120 Gov't: U.S./Sta/Loc]3		Vebster Hall 243	
	120	CORE	[Bio 101 Gen Biology] 4	Phone: 6	25-9740	
*Required	history, political science,	CORL	[Comm 100 Oral Comm] 3			
	and economics courses satisfy		10			
	uirements and 18 hours of Core	Sophomore	Year			
Curriculur		1st Semeste				
**See Prer		Hist 130	Western Civilization to 1660 3			
300 1101	-4.5.00	Foreign Lar				
		CORE	[Eng Literature] 3			
Minor i	n History	Hist 201	Introduction to Historical Research 2			
WIIIOI	ii i iistory	Elective	Research 2			
	Semester Hours		[Econ 180 Amer Econ Sys] 3			

[Econ 180 Amer Econ Sys] 3 17

Semester Hours

U.S. History 1492-1877 3 U.S. History 1877-Present

U.S. History 1877-Present 3

Hist 110 Hist 120 OR Hist 320

Bachelor of Science in Education
Major Code 0843
Social Studies Major
(Plan B) Single Teaching Field
Grades 9-12 Certification
History Emphasis

Fre	shman	Year
1st	Semest	ter

Course	П	oui
Hist 110	U.S. History 1492-1877*	3
CORE	[Eng 101 Comp I]	3
Psy 100	General Psychology	3
CORE	[Math 110 Intro to Col Math]	3
Psy 120	College Orientation	1
Educ 100	Orientation to Education I	1
CORE	[Comm 100 Oral Comm]	3
		7
2nd Semester		
Hist 120	U.S. History 1877-Present*	
OR		
Hist 320	U.S. History 1877-Present*	3
CORE	[Eng 102 Comp II]	3
PSc 120	Gov't: U.S./State/Local*	3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 101 Activities]	1
Elective		3

Sanhamara Vasi

Sophomore i	ear	
1st Semester		
Take C-Base	test.	
Hist 130	Western Civilization to 1660	3
Hist 201	Introduction to Historical	
	Research	2
CORE	[Eng Literature]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Phys 100 Fund of Phys Sci]	5
Educ 200	Orientation to Education II	1
Psy 301	Adolescent Psychology	3
		19

2nd Semester

Apply for a	dmission to Teacher Education	7.
Hist 140	Western Civ 1660-Present	3
Geog 211	Regions and Nations	3
Soc 110	Intro to Sociology*	3
CORE	[Humanities and Fine Arts]	3
Psy 310	Educational Psychology	2
Educ 302	Exceptional Child	2
		16

Junior Year		
-1st Semester		
Pass media c	competencies.	
Hist	Upper Div U.S. (not 320)	3
Econ 180	Amer Econ System	3
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 301	Use of Comp Sftwr in Clsrm	3
Educ 423	Classroom Management	2
		17

2nd	Sam	octo

Hist	Upper Div U.S. (not 320)	3
Hist	Upper Div Eur or Asian	
	or Latin American**	3
Anth 342	Comparative Cultures	3
Hist	Upper Div Elective (not 320)	3
PSc	Upper Division Elective	3
		15

Senior Year

1	ct	Se	m	201	0	,
- 1	51	.7	Ht	-5		

Apply for admission to student teaching. All course work must be completed except Professional Semester courses.

Hist	Upper Div Elective (not 320)) 3
Hist	Upper Div Eur or Asian	
	or Latin American**	
Hist 497	Seminar in Historical Resea	rch
OR		
Hist 496	Internship	3
Geog	Upper Division Elective	3
CORE	[Humanities and Fine Arts]	3
Educ 422	Rdng in Secondary School	2
		17
2 10 .		

2nd Semester

Educ 334	Tchng Soc Sci in Sec Sch	2
Professional	Semester	14
		16

See pages 146-159 for specific education department requirements.

*Also meets a Core Curriculum requirement. ** See prerequisites.

For additional information contact:

Dr. Richard B. Miller Office: Webster Hall 245 Phone: 625-9564

Course Descriptions

U. S. History

Hist 110 (F, S)

United States History 1492-1877

Survey of the United States from the era of discovery through reconstruction. Meets the Core Curriculum requirement for all majors. Educ 010 or a satisfactory score on the ACT Admissions Test is

Hist 120 (F, S)

United States History 1877 to Present

a prerequisite or corequisite to this course.

Survey of the economic, social and political development of the United States from 1877 to the present. Meets the Core Curriculum requirement for all majors. A student cannot have credit for both Hist 120 and Hist 320. Educ 010 or a satisfactory score on the ACT Admissions Test is a prerequisite or corequisite to this course.

Hist 201 (F) 2 hr. cr.

Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or

Hist 298 (Demand) 3 hrs. cr.

Topics in History

Special historical topics are examined. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.

Hist 310 (Demand)

United States Social and Intellectual History

Ideas, values and institutions that have nurtured and influenced the United States during the great industrial expansion, and emergence as a technology leader to the dilemmas of the 1970's and 1980's. Prerequisite: Three hrs. of history or consent of instructor.

Hist 315 (Demand) 3 hrs. cr.

Economic History of the United States

Development of the American economy and its related institutions from the early national period to the present.

Hist 320 (Demand) 3 hrs. cr.

United States History 1877 to Present

Survey of the United States from Reconstruction to the present. Meets the Core Curriculum reguirement for all majors. A student cannot have credit for both Hist 120 and Hist 320. Prerequisite: Hist 110.

3 hrs. cr. Hist 325 (F, Odd)

The American Frontier

The westward expansion of the United States and its effects upon the social, political and economic institutions into the twentieth century.

Hist 330 (Demand) 3 hrs. cr.

History of the American Indian

Social, political, diplomatic, military and legal history of native American society.

Hist 335 (F, Even)

3 hrs. cr.

3 hrs. cr.

United States Foreign Relations to 1900

Diplomatic relations of the United States and the related development of its foreign policy from 1775 to 1900.

Hist 340 (S, Odd)

3 hrs. cr.

United States Foreign Relations Since 1900

An investigation of United States' diplomacy in the present-day world. Emphasizes the role of the United States in world affairs.

Hist 343 (F, Odd)

U.S. Cold War Foreign Relations, 1945 to Present An investigation of United States diplomacy and the present-day world. Emphasizes the role of the United States in world affairs.

92 / History

Hist 345 (Demand)

3 hrs. cr.

Age of Jefferson and Jackson

Early political development in the United States. Evolution of the presidency over the first years of the new government, the triumph of Jeffersonian ideas, social trends and the rise of nationalism.

Hist 350 (S)

3 hrs. cr.

Civil War and Reconstruction

Causes of the Civil War, slavery and reform movements before the Civil War. Traces the development of reconstruction and political developments of the era.

Hist 355 (F, Even)

3 hrs. cr.

The South

Social, economic, political and intellectual history of the Southern United States concentrating on tracing the distinctive characteristics of the section and attempting to discover how a consciousness of the region's separateness evolved.

Hist 360 (Demand)

3 hrs. cr.

History of Missouri

Missouri's growth from its early settlement to the present. Emphasis on political, economic, institutional and social development.

Hist 365 (Demand)

3 hrs. cr.

United States Colonial History

(Writing Intensive)

Colonial development from 1492 to 1781. Early colonization and British imperial policy are emphasized along with social, cultural, political and economic growth. Includes the Revolutionary War period.

Hist 373 (F, Odd)

3 hrs. cr.

Women in U.S. History (Writing Intensive) A survey of the historical experience of American women from the colonial period to the modern era.

Hist 400 (Demand)

3 hrs. cr.

United States Military Experience 1775 to Present Major wars and other activities of the armed forces with emphasis on general military policy, strategy, tactics, organization and technology.

Hist 405 (Demand)

3 hrs. cr.

The United States 1870-1920

United States at the turn of the century with the impact of the Industrial Revolution and its effect on social, political and economic institutions, the Progressive Movement and World War I.

Hist 410 (S, Even)

3 hrs. cr.

The United States Since 1920

Impact of politics, diplomacy and economic trends of the United States since 1920.

Hist 496

3-8 hrs. cr.

Internship in History

Practical, professional training in archival skills and museum management in an area historical museum, archival institution or historic site, under the supervision of a faculty member and a professional from the participating institution. No more than three hours may be counted toward a major or minor. Prerequisite: Junior standing or above and departmental approval.

Hist 497 (F)

3 hrs. cr.

Seminar in Historical Research

(Writing Intensive)

Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S)

3 hrs. cr.

Special Topics in History

Advanced topics not covered in other history offerings. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S)

1-2-3 hrs. cr.

Independent Study

Individualized project directed by the instructor/ adviser with approval of department head and school dean. Advanced standing in the major field and a minimum GPA of 3.0 are required.

European History

Hist 130 or Hist 140 is a prerequisite for any upper level European History course.

Hist 130 (F, S)

3 hrs. cr.

Western Civilization to 1660

Development and progress of western civilization from its origins through the Reformation. Changes in political organization, religion, artistic expression and daily life in the ancient Near East, Greece, Rome and Christian Europe. May be used to meet the Core Curriculum requirement in

Hist 140 (F, S)

3 hrs. cr.

Western Civilization Since 1660

Western societies from the Baroque Era to the retreat of European colonialism. Major emphasis on development of the nation-state, the impact of industrialization, changes in political and religious outlook, the impact of revolutions and two world wars. May be used to meet the Core Curriculum requirement in Area 5.

Hist 201 (F)

2 hr. cr.

Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or

Hist 298 (Demand)

3 hrs. cr.

Topics in History

Special historical topics. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.

Hist 369 (Demand)

3 hrs. cr.

Nineteenth Century Europe

Major alterations of European society during this century. Emphasis on industrialization, imperialism, revolutions, rise of socialism/communism, middle-class liberal capitalism and individual national events.

Hist 370 (Demand)

3 hrs. cr.

Twentieth Century Europe

A survey approach with emphasis on World Wars I and II, the League of Nations, the United Nations, totalitarian systems and current European/ world problems.

Hist 371 (Demand)

3 hrs. cr.

The Holocaust

An examination of the destruction of the European Jews from 1933 to 1945, with special attention to the social, political, and scientific context of the Holocaust. Special attention to European antisemitism, the rise of German Nazism, the development of a policy of mass murder, and the operation of ghettos and death camps.

Hist 375 (F, Even)

3 hrs. cr.

English History to 1660 (Writing Intensive) The peoples of England and their institutions from prehistoric settlement through the English civil wars. Major topics include the impact of Anglo-Saxon and Norman invasions, the changing roles of monarchy and of parliament, and life among various social classes.

Hist 380 (S, Odd)

3 hrs. cr.

English History Since 1660

English people and institutions from the restoration of Charles II to the present. Concentration on the emergence of modern Parliamentary democracy, the industrial revolution, the Empire and current position of England in world affairs.

Hist 387 (F, Odd)

3 hrs. cr.

History of Russia to 1796 (Writing Intensive) History of Russia from pre-Tsarist times through the reign of Peter the Great. Emphasis on the land and the people, national characteristics and political institutions.

Hist 388 (S, Even)

3 hrs. cr.

History of Russia Since 1796

Russia since the reign of Catherine the Great until the recent demise of the Soviet Union. Investigates the problems posed by Tsarist Autocracy and Serfdom, the origins and course of the Bolshevik Revolution, Russian life under communism, and the structural weaknesses and events contributing to the collapse of the Soviet Union. Hist 390 (Demand)

3 hrs. cr.

History of Germany

Social, political, military and economic history of Germany, with major concentration on the post 1519 period. Emphasis on the decline of the Medieval Empire, princely absolutism, national unification, Weimar Republic, Third Reich and post World War II.

Hist 420 (F, Odd)

3 hrs. cr.

Medieval History

Europe from the end of the Roman Empire to c. 1350. Emphasis on the emergence of the Papacy, manorialism and feudalism, the development of cities and an urban economy, and on intellectual life and artistic expression.

Hist 425 (S, Even)

3 hrs. cr.

The Renaissance and the Reformation

An overview of Europe from 1350 to 1559. Changes in thought and artistic expression, the divisions within Western Christendom, the emergence of national monarchies, and the impact of economic change on daily life.

Hist 435 (F, Even)

3 hrs. cr.

The Era of the French Revolution and Napoleon

An examination and analysis of events in France and their impact on Europe from 1789 to 1815. Interplay of ideas and people and the quest for a political settlement under a constitutional monarchy, republic and empire.

Hist 440 (S, Even)

3 hrs. cr.

European Intellectual History

Intellectual, cultural and social developments in Europe from the Italian Renaissance to the present. Examination of the rise of scientific thought, the Enlightenment, Romanticism, nationalism, political ideologies, social reforms and existential-

Hist 497 (F)

3 hrs. cr.

Seminar in Historical Research

(Writing Intensive)

Topics pertaining to an era or historical problem of special interest the instructor and student. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S)

3 hrs. cr.

Special Topics in History

Advanced topics not covered in other history offerings. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S)

1-2-3 hrs. cr.

Independent Study

Individualized project directed by the instructor/ adviser with approval of the department head and the school dean prior to enrollment. Advanced standing in the major field and a minimum GPA of 3.0 are required.

Asian History

History 130 or 140 is a prerequisite for any upper level Asian History course.

Hist 201 (F)

2 hr. cr.

Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140

Hist 298 (Demand)

3 hrs. cr.

Topics in History Special historical topics. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.

Hist 415 (Demand)

3 hrs. cr.

History of China

Survey of Chinese history from ancient through modern periods. Emphasis on Chinese society, political developments, and relations with the West and Japan in the nineteenth and twentieth centuries.

Hist 430 (Demand)

3 hrs. cr.

History of Japan

Survey of Japanese history from ancient through modern periods. Emphasis on Japanese society, political developments, and relations with the West since the middle of the nineteenth century. Attention is given to Japan's rapid economic development since the 1860s and its rise as a world power.

Hist 455 (F, Even)

3 hrs. cr.

Traditional South Asia

Survey of traditional South Asia (focusing on the area which now includes India, Pakistan, and Bangladesh) from the Harappan Culture through the Mughal period. Course emphasizes developments in South Asian culture, society, and politics, particularly the development of religions, such as Hinduism, Buddhism, Jainism, Islam, and Sikhism, as well as the evolution of South Asian politics.

Hist 458 (S, Odd)

3 hrs. cr.

Modern South Asia

Survey of modern South Asia (focusing on the area which now includes India, Pakistan, and Bangladesh) from the collapse of the Mughal empire through the present. Course emphasizes developments in South Asian culture, society, and politics, particularly the impact of European imperialism, the rise of Indian nationalism, Indian independence, and post-independence foreign and domestic politics.

Hist 497 (F)

3 hrs. cr.

Seminar in Historical Research

(Writing Intensive)

Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prereguisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S)

Special Topics in History

3 hrs. cr.

Advanced topics not covered in other history offerings. Emphasis is placed on the student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S)

1-2-3 hrs. cr.

Independent Study Individualized project directed by the instructor/ adviser prior to enrollment in the study. Advanced standing in the major field and a minimum GPA of 3.0 are required.

Global History

Hist 341 (F)

3 hrs. cr.

Problems in Recent Diplomatic History

Selected issues in recent global history from the perspective of a United Nations member state. Each student will investigate one issue, share the results of the research with the class and in a paper explain the historical background of the selected nation's position on the issue. Both the nation and topics studied will be determined by MSSC's participation in the Midwest Model United Nations and similar conferences. Although the course is a prerequisite for delegates to these conferences, enrollment is not limited to Model UN participants. May be repeated up to 9 hrs.

Hist 497 (F)

3 hrs. cr.

Seminar in Historical Research

(Writing Intensive)

Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Latin American **History**

Hist 474 (Demand)

3 hrs. cr.

Colonial Latin America

Colonial Latin America will provide a historical overview of Latin American from the Spanish and Portuguese conquest until independence in the 1820s, by examining the major themes and events in the region. Particular emphasis will be placed on the Indian background to Latin American history and the ways the natives helped shape Latin American society. Topics covered will include the conquest of Latin America, imperial rivalries, Spanish administration, Indian labor, and the independence movements of the 19th century.

Hist 475 (Demand)

3 hrs. cr.

Modern Latin America

Historical overview of Latin America since independence, examining major themes, events, and issues in the region. Particular emphasis on ways in which Latin American peoples have struggled to resist, adapt, and take advantage of the social forces influencing their nations' urbanization, populism, social revolution, development, peasant rebellion, the position of women in society, and the Church.

Hist 497 (F)

3 hrs. cr.

Seminar in Historical Research

(Writing Intensive)

Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S)

3 hrs. cr.

Special Topics in History

Advanced topics not covered in other history offerings. Emphasis is placed on the student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S)

1-2-3 hrs. cr.

Independent Study

Individualized project directed by the instructor/ adviser prior to enrollment in the study. Advanced standing in the major field and a minimum GPA of 3.0 are required.

Mathematics

Reynolds Hall 210, 625-9376

Faculty Vazquez - Head, Adkins, Cassens, Curtis, Elick, Hand, Harmon, Livingston, Martin, Mulkey, Thuong, Weaver, Wolfe

In an increasingly technological society, applications of mathematics continue to increase in variety. Persons with quantitative ability and training are in high demand. Career opportunities exist in a diversity of fields such as engineering, computer science, economics, statistics, operations research, management and education. Missouri Southern graduates are enjoying success in all of these areas. Some graduates choose to begin careers immediately upon graduation; others choose to continue their education in graduate school. The curriculum is designed to prepare students for either path. The computational mathematics option allows a student to obtain a double major in mathematics and computer sci-

For the student wishing to prepare for a career in engineering, the mathematics department and the physical science department have worked in close cooperation with the staff at the University of Missouri-Rolla to develop a "Model Program for Engineering Transfers." Students may obtain a copy of this pamphlet from the department head. The program consists basically of two years at Missouri Southern and two years at Rolla. Naturally, time spent at either institution varies depending on the student's individual rate of progress.

Core Curriculum requirements for the bachelor's and the associate of arts degree can be met with any mathematics course numbered 110 or above. Note the limitations on Math 111 in the course descriptions.

Core Curriculum requirements for the associate of science degree can be met with any mathematics course numbered 030 or above.

For students majoring in mathematics or mathematics education only courses in which they have earned a grade of "C" or above can be used to satisfy departmental mathematics requirements.

Bachelor of Science with a **Major in Mathematics**

Semester Hours

		el Hours
Core Requi	rements (p. 43) 51*	43
Mathemati	cs Requirements	39
Math 150	Calculus with Analytic	
	Geometry I**	5
Math 250	Calculus with Analytic	
	Geometry II**	5
Math 260	Calculus with Analytic	
	Geometry III**	5
Math 300	Fundamentals of	
	Mathematical Thought	** 3
Math 342	Abstract Algebra**	
OR		
Math 351	Linear Algebra**	3
Math	Electives numbered	
	above 320***	18
Supporting	Requirements	16
Phys 160	General Physics I	3
Phys 270	General Physics II	5
Chem 101	General Chemistry I	5
Comp 110		3
Electives		30
TOTAL		128****

*Required mathematics, chemistry and physics courses satisfy major requirements and 8 hours of the Core Curriculum.

**See Prerequisites

***Must include one from Math 350, 371, 431, 452 to satisfy computer literacy require-

****Must include at least 40 upper division (300 - 400 level) hours.

Only courses in which a student has earned a grade of "C" or above can be used to satisfy departmental mathematics requirements for the major or minor in mathematics.

Bachelor of Science with a **Major in Mathematics**

Computational Mathematics Option*

Semester Hours

Core Requi	irements (p. 43) 51**	43
Mathemati	cs Requirements	33
Math 150	Calculus with Analytic	
	Geometry I***	5
Math 250	Calculus with Analytic	
	Geometry II***	5
Math 260	Calculus with Analytic	
	Geometry III***	5
Math 300	Fundamentals of	
	Mathematical Thought***	3

Math 350	Introduction to Numerical Analysis***		
OR	Allalysis		
Math 431	Numerical Analysis***	3	
Math 351	Linear Algebra***	3	
Math 371	Introduction to Operations	5	
	Research (WI)***	3	
Math	Electives numbered		
	above 320***	6	
CIS	Core	33	
Comp 110	Programming I	3	
Comp 210	Programming II	3	
Comp 234	Business Data Processing		
	Techniques (COBOL)	3	
CIS 335	Object Oriented Program	3	
CIS 345	Computer Networks	3	
CIS 350	Data Structures	3	
CIS 360	Computer Graphics	3	
CIS 425	Database Management		
	Systems (WI)	3	
CIS 430	Introduction to Artificial		
	Intelligence	3	
CIS 450	Operating Systems (WI)	3	
CIS	Electives numbered		
	above 305	3	
	Requirements	13	
	or chemistry electives		
must include at least one course from			
	ding Chem 100, Phys 100,		
	hys 140, Phys 180, and		
Phys 300)			
Electives		6	
Total		128	

*This program is the same as the bachelor of science in CIS, computer science (Option 2). See page 168. Students selecting this option will graduate with a double major, mathematics and computer information science. **Required mathematics, chemistry and physics courses satisfy major requirements and 8 hours of the Core Curriculum.

***See Prerequisites

Only courses in which a student has earned a grade of "C" or above can be used to satisfy departmental mathematics requirements for the major or minor in mathematics.

Bachelor of Science in Education with a Major in Mathematics

Grades 9-12 Certification

Plan A One of Two Teaching Fields

Samester Hours

	Semester	Hours
Core Requi	rements (p. 43) 51*	45
Mathemati	cs Requirements	30
Math 150	Calculus with Analytic	
	Geometry I**	5
Math 250	Calculus with Analytic	
	Geometry II**	5
Math 260	Calculus with Analytic	
	Geometry III**	5
Math 300	Fundamentals of	
	Mathematical Thought**	3
Math 332	Geometry**	3
Math 342	Abstract Algebra**	
Math 351	Linear Algebra**	3
Math 361	Probability& Statistics**3	
Supporting	Requirements	3
Comp 110	(or above, substitutes for	
	Educ 301)	3
Education (Certification Requirements	
(p. 149)		39-40
Second tead	ching field (some fields	
exceed 30 l	nours)	30
TOTAL	147-14	18****

*Required courses in mathematics and psychology satisfy major requirements and 6 hours of the Core Curriculum.

**See Prerequisites

***Must include one from Math 350, 371, 431, 452 to satisfy computer literacy requirement.

****(varies with second field)

Only courses in which a student has earned a grade of "C" or above can be used to satisfy departmental mathematics requirements for the major or minor in mathematics education.

Bachelor of Science in Education with a Major in Mathematics

Grades 9-12 Certification
Plan B Single Teaching Field

	Semester I	Hours			
Core Requirements (p. 43) 51* 40					
Mathematics Requirements					
Math 150	Calculus with Analytic				
	Geometry I**	5			
Math 250	Calculus with Analytic				
	Geometry II**	5			
Math 260	Calculus with Analytic				
	Geometry III**	5			
Math 300	Fundamentals of				
	Mathematical Thought**	3			
Math 332	Geometry**	3			
Math 342	Abstract Algebra**	3			
Math 351	Linear Algebra**	3			
Math 361	Probability and				
	Statistics I**	3			
Math	Electives numbered				
	above 320***	3			
Supporting	Requirements	16			
Phys 160	General Physics I	3			
Phys 270	General Physics II	5			
Chem 101	General Chemistry I	5			
Comp 110	(or above)	3			
Education C	Certification Requirements				
(p. 149)					
TOTAL		132			

*Required courses in mathematics, chemistry, physics and psychology satisfy major requirements and 11 hours of the Core Curriculum.

**See Prerequisites

***Must include one from Math 350, 371, 431, 452 to satisfy computer literacy requirement.

Only courses in which a student has earned a grade of "C" or above can be used to satisfy departmental mathematics requirements for the major or minor in mathematics education.

Minor in Mathematics

	Semeste	r Hours
Math 150	Calculus with Analytic	
	Geometry I	5
Math 250	Calculus with Analytic	
	Geometry II	5
Math	Electives numbered	
	above 250*	11
		21

*At least 6 hours upper division (excluding Math 302).

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Suggested Order of Study

Bachelor of Science
Major Code 1701
Mathematics

Mathematic	cs	
Freshman Ye	ar	
1st Semester		
Course		Hour
Math 150	Calc w/Anal Geo I	5
Chem 101	General Chemistry I	5
CORE	[Eng 101 Comp I (WI)]	3
CORE	[Area 2 Elective]	3
Psy 120	College Orientation	1
		17
and Compete		
2nd Semeste Math 250	Calc w/Anal Geo II	_
		5
CORE	[Eng 102 Comp II (WI)]	3
Phys 160	General Physics I	3
Comp 110	Programming I	3
CORE	[Comm 100 Oral Comm]	17
		.,
Sophomore '	Year	
1st Semester		
Math 260	Calc w/Anal Geo III	5
CORE	[Econ 180 Amer Econ Sys]	3
CORE	[Hist 110 U.S. History]	3
CORE	[Kine 103 Lifetime Wellnes	[s] 2
Phys 270	General Physics II	5
		18
2nd Semeste		
Math 300	Fund of Math Thought	3
Math	Elective [322]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Area 2 Elective]	3
CORE	[Hist 120 or 320 U.S. Hist]	3
		15
Junior Year		
1st Semester		
Math	Electives**	6
CORE	[Area 2 Elective]	3
Elective	[/ ilea 2 Licetive]	3
CORE	[Psc 120 Govt US/Sta/Loc	3
CORE	[13C 120 GOVI 03/3ta/20C	15
2nd Semeste		
Math	Electives**	6
CORE	[Bio 101 General Biology]	4
CORE	[Kine 101 Physical Activity] 1
CORE	[Area 5 Elective]	3
Elective		3
		17
Canion Vac		
Senior Year 1st Semester		
Math Electiv	Oc**	6
Electives	CS	6
Liectives		15
		13
2nd Semeste	r	
Math Electiv		6
Electives		9
		15

**Electives must be approved by math advi	**Electives	must b	e approve	d by	math	adviser
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[Department Recommendations]

For additional information contact: Juan Vazquez, Department Head Office: Reynolds Hall 212

Phone: 625-9540

Bachelor of Science Major Code 1702

Computational Mathematics Option

Freshman Ye	ear	
1st Semester		
Course		Hou
Comp 110	Programming I	3
Math 150	Calc w/Anal Geo I	5
CORE	[Eng 101 Comp I (WI)]	3
Chem 101	General Chemistry I	5
Psy 120	College Orientation	1
		17
2nd Semeste	r	
Comp 210	Programming II	3
Math 250	Calc W/Anal Geo II	5
CORE	[Eng 102 Comp II (WI)]	3
Phys 151	Elem Col Phys I	5
CORE	[Kine 101 Physical Activity]	1
		17

Sophomore Year 1st Semester

Comp 234	Bus DP Tech (COBOL)	3
CIS 335	Object Oriented Program	3
Math 260	Calc w/Anal Geo III	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 110 U.S. History]	3
		17
2nd Semester		
CIS 345	Computer Networks	3
CIS 350	Data Structures	3
Math 300	Fund of Math Thought	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Area 2 Elective]	3

Junior Year

15

1st Semester		
CIS 430	Intro to Artif Intell	3
Math 371	Intro Ops Research (WI)	3
CORE	[Bio 101 General Biology]	4
CORE	[Hist 120 or 320 U.S. Hist]	3
CORE	[Area 2 Elective]	3
		16

2nd Semester CIS 425 Database Mgmt Systems (WI) 3

Math 350	Intro to Num Analysis	3
Math	Elective**	3
CORE	[Area 5 Elective]	3
CORE	[Psc 120 Govt US/Sta/Loc	3
		15

Senior Year

1st Semester CIS 450	Operating Sys (WI)	3
Math 351	Linear Algebra	3
Chem/Phys	Elective*	3
CORE	[Econ 180 Amer Econ Sys]	3
Elective		3
		15
2nd Semester	r	

ZIId Scilics	i i	
CIS 360	Computer Graphics	3
CIS	Elective	3
Math	Elective**	3
CORE	[Area 2 Elective]	3
Elective		3
		15

*See requirements and exclusions on page 95. **Electives must be approved by math adviser.

[Department Recommendations]

For additional information contact: Juan Vazquez, Department Head Office: Reynolds Hall 212 Phone: 625-9540

Bachelor of Science in Education

Major Code 0833 **Mathematics Major Grades 9-12 Certification**

(Plan B) **Single Teaching Field**

Freshman Year

1st Semester		
Course		Hours
Math 150	Calc w/Anal Geo I	5
CORE	[Eng 101 Comp I (WI)]	3
Psy 100	General Psychology	3
CORE	[Kine 103 Lifetime Wellnes	s] 2
Educ 100	Orientation to Educ I	1
Psy 120	College Orientation	1
		15
	part of united state	
2nd Semester		
Math 250	Calc w/Anal Geo II	5
Chem 101	General Chemistry I*	5
CORE	[Eng 102 Comp II (WI)]	3
Comp 110	Programming I	3
CORE	[Kine 101 Physical Activity]	1

Sopnomore	Year	
1st Semester	r	
Take C-Base	e Test.	
Math 260	Calc w/Anal Geo III	5
Phys 160	General Physics I	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Area 2 Elective]	3
Educ 200	Orientation to Educ II	1
		15

2nd Semest	dmission to Teacher Education	
Math 300		
CORE	Fund of Math Thought	
Psy 301	[Bio 101 General Biology]	
CORE	Adolescent Psychology	
Phys 270	[Hist 110 U.S. History] General Physics II	
1 11ys 270	General Friysics II	1
Junior Year		
1st Semeste	r	
Pass media	competencies.	
Math 332	Geometry	
OR		
Math 361	Prob. & Statistics I	3
Math 342	Abstract Algebra	3
OR		
Math 351	Linear Algebra	3
Educ 329	Ped Theo, Meth & Prac	4
Educ 321	Microteaching	14 14 13
Educ 423	Classroom Management	2
CORE	[Hist 120 or 320 U.S. Hist]	3
		17
2nd Semeste	The state of the s	
Math	Electives**	3
CORE	[PSc 120 Gov't US/Sta/Loc]	3
Psy 310	Educational Psychology	2
Psy 302	Exceptional Child	2
CORE	[Area 2 Elective]	
CORE	[Area 2 Elective]	3
		16

1st Semester

Educ 402

Educ 432

Educ 412

Psy 412

Educ 462

OR

Apply for admission to student teaching. All course work must be completed except Professional Semester courses.

Math 332 OR	Geometry	3
Math 361	Prob. & Statistics I	3
Math 342 OR	Abstract Algebra	3
Math 351	Linear Algebra	3
CORE	[Area 5 Elective]	3
CORE	[Econ 180 Amer Econ Sys]	3 2
Educ 422	Reading in the Sec School	2
Educ 301	Use of Comp Software	
	in the classroom	3
		17
2nd Semester		
Educ 339	Teaching Math in Sec School	ols 3

**Electives must be approved by math adviser.

Student Teaching

Critical Issues

Meas & Eval

Foundations of Education

Individual Curriculum Dev (2)

[Department Recommendations]

For additional information contact: Juan Vazquez, Department Head Office: Reynolds Hall 212

Phone: 625-9540

Course Descriptions

Math 020 (F, S)

3 hrs. cr.

Beginning Algebra

Operations on signed numbers, linear equations and inequalities, systems of linear equations, polynomial arithmetic. No credit towards baccalaureate degree.

Math 030 (F, S)

3 hrs. cr.

Intermediate Algebra

Factoring, operations on polynomials, radicals, quadratic equations. Prerequisite: One year of high school algebra and a score of 16 or above on the ACT Mathematics Section or Math 020 with a grade of "C" or better. No credit towards baccalaureate degree.

Math 110 (F, S)

3 hrs. cr.

Introduction to College Mathematics

Basic college mathematics with an introduction to various areas of mathematics such as linear programming, set theory, probability and statistics and geometry. Satisfies the requirement in mathematics for the Core Curriculum. Prerequisite: One year of high school algebra and a score of 16 or above on the ACT Mathematics Section or Math 020 with a grade of "C" or better.

Math 111 (F, S)

3 hrs. cr.

Math for Elementary Teachers I

The real number system and its subsystems, relations and functions, numeration systems. Prerequisite: One year of high school algebra and a score of 16 or above on the ACT Mathematics Section or Math 020 with a grade of "C" or better. (Will not meet the Core Curriculum mathematics requirement for nonelementary education majors.)

Math 112 (Demand)

3 hrs. cr.

Trigonometry

Trigonometric functions, inverses and their graphs; trigonometric identities and equations; solution of the general triangle; complex numbers. Prerequisite: Two units of high school algebra, one unit high school geometry and a score of 22 or above on the ACT Mathematics Section or Math 030 with grade of "C" or better.

Math 120 (F, S)

3 hrs. cr.

Math for Elementary Teachers II

A continuation of Math 111. Sets of points, metric and non-metric geometry, probability. Recommended for prospective elementary teachers. Prerequisite: Math 111 with a grade of "C" or better or permission of department.

Math 130 (F, S)

3 hrs. cr.

College Algebra

Functions and their graphs; polynomial, rational, exponential and logarithmic functions; systems of equations; the binomial theorem. Prerequisite: Two units of high school algebra, one unit of high school geometry and a score of 22 or above on the ACT Mathematics Section or Math 030 with grade of "C" or better.

Math 131 (F, S)

Finite Mathematics

Finite mathematics with algebra that is designed for business, social science and computer science students. Set theory, functions, matrices, linear programming, probability and statistics, with applications. Prerequisite: Two units of high school algebra and a score of 22 or above on the ACT Mathematics Section or Math 030 with a grade of "C" or better.

Math 140 (F, S)

5 hrs. cr.

Algebra and Trigonometry

Equivalent of Math 112 and Math 130. Prerequisite: Two units of high school algebra, one unit of high school geometry and a score of 22 or above on the ACT Mathematics Section or Math 030 with a grade of "C" or better. Only two hours credit for students with Math 112 or Math 130 credit.

Math 150 (F, S)

Calculus with Analytic Geometry I

Differentiation and integration of algebraic functions and plane analytic geometry using vectors. Prerequisite: Math 140 with a grade of "C" or better or four units of high school mathematics and a satisfactory score on the Mathematics Placement Test.

Math 250 (F, S)

5 hrs. cr.

Calculus with Analytic Geometry II

Differentiation and integration of transcendental functions and trigonometric functions, polar coordinates, theory of limits and continuity, parametric equations. Applications to physical problems. Prerequisite: Math 150 with a grade of "C" or better.

Math 260 (F, S)

Calculus with Analytic Geometry III

Solid analytic geometry, indeterminate forms, infinite series, partial differentiation and multiple integrals. Prerequisite: Math 250 with a grade of "C" or better.

Math 300 (S)

3 hrs. cr

Fundamentals of Mathematical Thought

Introduction to modern algebra, analysis and proofs; sets, logic, predicate calculus, relations, functions, logical development of number systems, cardinality and divisibility. Prerequisite or corequisite: Math 260 with a grade of "C" or

Math 302 (Demand)

3 hrs cr

Calculus for the Management and Social **Sciences**

Calculus applications of differentiation and integration in business and social sciences. Prerequisite: Math 130 or Math 131 with a grade of "C" or better or two years high school algebra and satisfactory score on the Mathematics Placement Test. Will not count toward a major or minor in math-

98 / Mathematics, Music

Math 310 (Demand)

3 hrs. cr. Math :

3 hrs. cr.

Elementary Statistics

Provides a basic statistical background for the various majors for advanced study in their specialties. Topics include data reduction, measures of central tendency, linear regression, correlation and hypothesis testing, with applications to social, managerial, biological and physical sciences. Satisfies the Core Curriculum requirements in mathematics. Prerequisite: Two years high school algebra or Math 130 with a grade of "C" or better. Will not count toward a major in mathematics.

Math 312

3 hrs. cr.

Problems of Teaching Arithmetic in the Elementary Schools

(See Educ 312 for description.) Will not count toward a major in mathematics.

Math 322 (S)

3 hrs. cr.

Differential Equations

Ordinary differential equations of first and second order, linear equations with constant coefficients, Laplace transforms, power series solutions, numerical solutions, with applications. Prerequisite: Math 260 with a grade of "C" of better.

Math 332 (F, Even)

3 hrs. cr.

Geometry

Geometric theory from a modern axiomatic view-point. Includes an introduction to finite, projective, Euclidean and non-Euclidean geometries. Prerequisite: Math 250 with a grade of "C" or better.

Math 339 (S)

hrs.

Teaching Mathematics in Secondary Schools Introduction to the instructional planning, materials and methods of teaching mathematics in the secondary schools. Includes brief survey of the history of algebra and trigonometry. Part of the Professional Semester. Will not count toward a major in mathematics.

Math 342 (F, Odd)

3 hrs. cr.

Abstract Algebra

Number theory, equivalence and congruence, theory of groups, rings, ideals, integral domains and fields. Prerequisite: Math 300 with a grade of "C" or better.

Math 350 (S, Odd)

3 hrs. cr.

Introduction to Numerical Analysis

Error analysis, solution of polynomial and transcendental equations, colocation polynomials, matrix methods, numerical differentiation and integration. Prerequisite: Math 250 and Comp 110 or higher with a grade of "C" or better.

Math 351 (F, Even)

3 hrs. cr.

Linear Algebra

Algebra of linear equations and matrices, vector spaces, linear mappings and transformations, determinants, bilinear and quadratic forms, linear functionals, vector inner products and cross products. Prerequisite: Math 300 with a grade of "C" or better.

Math 361 (F) **Probability and Statistics I**

3 hrs

Theory of probability using concepts and methods of calculus. A study of discrete and continuous distributions. The central limit theorem. Prerequisite: Math 260 with a grade of "C" or better.

Math 371 (F, Odd)

3 hrs. cr.

Introduction to Operations Research

(Writing Intensive)

Operations research/management science for computer science and mathematics students. Includes linear programming, project scheduling, Markov chains, queuing theory. Prerequisite: Math 260 with a grade of "C" or better and computer programming ability.

Math 421 (S, Odd)

3 hrs. cr.

Introduction to Advanced Calculus

Methods of real analysis, basic topology of real numbers, sequences and series, the derivative and the Riemann integral. Prerequisite: Math 300 with a grade of "C" or better.

Math 431 (S, Even)

3 hrs. cr.

Numerical Analysis

Fundamental numerical analysis theorems. Error Analysis, data approximation techniques, difference calculus, numerical solution of differential equations. Prerequisite: Math 322 and Comp 110 or higher with a grade of "C" or better.

Math 452 (S, Odd)

3 hrs. cr.

Mathematical Models (Writing Intensive)
Applying mathematics in formulating and analyzing models for real world problems. Topics include game theory, graph models, deterministic and stochastic models and computer simulation. Prerequisite Math 260 and Comp 110 or higher with a grade of "C" or better.

Math 462 (S, Even)

3 hrs. cr.

Probability and Statistics II

Distributions of discrete and continuous random variables, sampling distributions and estimation of parameters. Investigation of the techniques of hypothesis testing, correlation and regression. Prerequisite: Math 361 with a grade of "C" or better

Math 498 (Demand)

1-3 hrs. cr.

Seminar in Mathematics

For upper division math or related majors. Regular meeting times per week are equal to the number of credit hrs. determined by the department for a given semester. Gives both broad and specialized knowledge of the discipline. Prerequisite: Advanced standing in major field and consent of department head.

Math 499 (Demand)
Independent Study

1-3 hrs. cr.

Course structured by the adviser with approval of the department head and school dean. Prerequisite: Advanced standing in the major field with a grade point average of 3.0. Students must make application several weeks in advance. Registration must be approved by the adviser, department head and school dean. See department head for details.

Music

Music Building 214, 625-9318

Faculty Havely - Head, Carnine, Clark, Elliott, Jones, Liu, Meeks, Smith, Thelen, Wise

The department of music offers a bachelor of arts degree and a bachelor of science in education degree with a major in music. Each degree prepares graduates for performance, studio teaching, and/or continued study toward an advanced degree. In addition, the bachelor of science in education degree prepares graduates for teaching in public education.

Core Curriculum requirements for one course in Area 2, Humanities and Fine Arts, are fulfilled by Mus 110 Music Appreciation.

Bachelor of Arts with a Major in Music

Semester Hours
Core Requirements (p. 43) 51
Computer Literacy Requirement

Computer Literacy Requirement determined by music department
Foreign Language (four courses in
one language)

Music Requirements

Mus 109 Sight Singing

2-3

67

Mus 111 Music Theory 4 Mus 112 Music Theory* 4 Mus 182 Conducting Techniques* 2 Mus 211 Music Theory* 3 Mus 212 Music Theory* 3 Mus 240 Recital Attendance Cr. (8 semesters) History of Music* 3 Mus 311 3

Mus 312 History of Music* 3 Mus 420 Form and Analysis* 3 Mus 433 Instr & Vocal Arranging* 4 Mus 443 Advanced Choral

Conducting*

Mus 444 Advanced Instrumental

Conducting*

Conducting* 2
Mus 450 Senior Recital* Cr.
Large Music Ensemble

(8 semesters)***
Private study in one area

(8 semesters) 16 Applied keyboard elective (Except

keyboard majors) 8

8

(Keyboard majors must take 8 semester hours of music electives in lieu of the applied keyboard elective.) 132-133**

*See Prerequisites

**Must include at least 40 upper division (300 - 400 level) hours.

***Must be taken the last eight semesters of residency.

Bachelor of Science in Education with a Major in Music

Grades Pre K-12 Certification

Plan B Option 1 Single Teaching Field Instrumental Emphasis

Semester Hours

	SCHICSTELL	IOUI
Core Requi	rements (p. 43) 51*	4
Music Requ		6
Mus 111	Music Theory	4
Mus 112	Music Theory**	4
Mus 182	Conducting Techniques**	2
Mus 211	Music Theory**	3
Mus 212	Music Theory**	3
Mus 231	String Techniques	1
Mus 232	Brass Techniques	2
Mus 233	Percussion Techniques	
	(Not open to percussion	
	majors. Percussion majors	
	must substitute a 2nd se-	
	mester of Mus 232 or 234.)	1
Mus 234	Woodwind Techniques	2
Mus 240	Recital Attendance	
	(7 semesters)	r.
Mus 311	History of Music**	3
Mus 312	History of Music**	3
Mus 333	Music for the	
	Elementary Grades***	2
Mus 411	Marching Band Methods**	2
Mus 413		2
Mus 420	Form and Analysis**	3
Mus 433		4
Mus 444	Advanced Instrumental	
	Conducting**	2
Mus 450	Senior Recital** C	r.
Mus	Piano/Wind Instrument****	2

****(a) Instrumental major, other than piano: two semester hours of piano study or the equivalent (Class piano may be included).
(b) Keyboard major: two semester hours of private study on a wind instrument or the equivalent.

Private study as a major in one	
area (7 semesters)	14
Large Ensemble (7 semesters)*****	7
Brass, woodwind or percussion major	or: the
seven semesters of large ensemble m	
in band.	
Chaine Adain all	1

String Major: the seven semesters of large ensemble must be in orchestra.

Education Certification Requirements (p .149) 40-41 154-155

*The required course in psychology satisfies both certification requirements and 3 hours of Core Curriculum, Area 3C.

**See Prerequisites

***Must be completed prior to the Professional Semester of supervised teaching.

*****Must be taken the seven semesters immediately prior to the student teaching semester.

Bachelor of Science in Education with a Major in Music

Grades Pre K-12 Certification
Plan B Single Teaching Field
Option II Vocal Emphasis

Semester Hours

Core Requ	irements (p. 43) 51*	48
Music Req	uirements	66
Mus 109	Sight Singing	2
Mus 111	Music Theory	4
Mus 112	Music Theory**	4
Mus 182	Conducting Techniques	** 2
Mus 211	Music Theory**	3
Mus 212	Music Theory**	3
Mus 240	Recital Attendance	
	(7 semesters)	Cr.
Mus 309	Choral Techniques	2
Mus 311	History of Music**	3
Mus 312	History of Music**	3
Mus 333	Music for the	
	Elementary Grades***	2
Mus 409	Choral Literature	2
Mus 420	Form and Analysis**	3
Mus 433	Inst. & Vocal Arranging	** 4
Mus 443	Advanced Choral	
	Conducting*	2
Mus 450	Senior Recital**	Cr.
Mus	Piano/Voice****	6

****(a) Keyboard Major: six semester hours of private voice study or the equivalent. (b) Voice Major: six semester hours of piano study or the equivalent (two semesters of private study following the satisfactory completion of four semesters of Mus 113).

Private study as a major in one	
area (7 semesters)	14
Concert Chorale (7 semesters)*****	7
Education Certification Requiremen	nts
(p. 149)	40-41
1	54-155

*The required course in psychology satisfies both certification requirements and 3 hours of Core Curriculum.

**See Prerequisites

***Must be completed prior to the Professional Semester of supervised teaching.

*****Must be taken the seven semesters immediately prior to the student teaching semester.

Bachelor of Science in Education with a Major in Music

Grades Pre K-12 Certification

Plan B Single Teaching Field Option III Double Certification

Semester Hours

86

14

8

Core Requirements (p. 43) 51*	48
Music Requirements	85

All of the requirements listed for Option I and Option II, either (a) or (b), with the exception of the applied major requirement.

Private study as an applied major in one primary area (7 semesters)

Private study as an applied elective in one secondary area (4 semesters)

A proficiency test in the secondary major area must be passed before graduation.

A senior recital will be required only in the primary applied area.

Education Certification Requirements (p. 149) 40-41 173-174

*The required course in psychology satisfies both certification requirements and 3 hours of Core Curriculum.

100 / Music

Minor in	Music		2nd Semes	ter		Bachelor	of Science in Education	
villor in	Music		Mus 182	Conducting Tech	2	Major Cod	de 0855	
			Mus 212	Music Theory	3	Music Ma		
	Semester H	Hours	Mus	Applied Music Major	2	(Plan B)	Single Teaching Field	
Mus 111	Music Theory	4	Mus 240	Recital Attendance	Cr			
Mus 112	Music Theory	4	Mus	App Piano or Mus Elective	1-2		e K-12 Certification	
		4	Mus	Large Ensemble	2	Keyboard	Major with Vocal Emphas	IS
Large Enser			CORE	[Hist 120 U.S. History]	3			
Applied Mu	usic Elective (2 Semesters		CORE	[Bio 101 General Biology]	4	Freshman \	Year	
Music Elect	tives*	7		-	3	1st Semeste	er	
		21	CORE	[Psy 100 Gen Psychology]		Course		Hour
*Must be m	ade with prior approval of	of music			20-21	Mus 109	Sight Singing	2
		of masic				Mus 111	Music Theory	4
adviser, 6 n	nust be upper division.		Junior Yea	r		Mus 227	Applied Music-Major Piano	1
			1st Semest			Mus 121	Concert Chorale	1
			Mus 420	Form, Analysis	3		Recital Attendance	Cr
			Mus	Applied Music Major	2	Mus 240		3
Suga	ested Order of Stu	idv	Mus 444	Adv Instru Conducting	2	CORE	[Eng 101 Comp I]	
Jugg	ested Order or sta	,	Mus 240	Recital Attendance	Cr	Psy 120	College Orientation	1
-	CHECKLES OF STREET	OF SERVICE STATE	Mus	App Piano or Mus Elective	1-2	CORE	[Mus 110 Music Apprec]	3
			Mus	Large Ensemble	1	Educ 100	Orientation to Educ I	1
Bachelor o	f Arts		CORE	[Comm 100 Oral Comm]	3			18
Major Code	e 1005		Foreign La		3			
Music Majo			TOTEIGH La		15-16	2nd Semes		
wide wiaje					.0 .0	Mus 112	Music Theory	4
Eucober V	224		2nd Semes	ctor		Mus 228	Applied Music Major Piano	2
Freshman Ye					2	Mus 166	Applied Music Voice	1
1st Semester	Thomas Brother and Committee	11	Mus 443	Adv Choral Conducting		Mus 122	Concert Chorale	1
Course		Hours	Mus	Applied Music Major	2	Mus 240	Recital Attendance	Cr
	Sight Singing	2	Mus 240	Recital Attendance	Cr	CORE	[Eng 102 Comp II]	3
	Music Theory	4	Mus	App Piano or Mus Elective	1-2	CORE	[Math 110 Intro to Col Math]	
	Applied Music Major	2	Mus	Large Ensemble	1	CORE	[Econ 180 Amer Econ Sys]	3
	Recital Attendance	Cr	CORE	[Art 110 or Th 110]	3	CORE	[Art 110 or TH 110]	3
	App Piano or Mus Elective	1-2	Foreign La		3	COKE	[AICHOOLITH HO]	20
Mus	Large Ensemble	1	CORE	[Eng 281 or 282 Lit]	3			20
	[Eng 101 Comp I]	3			15-16		V	
CORE	[Mus 110 Music Apprec]	3				Sophomor		
	College Orientation	1	Senior Yea	ar		1st Semest		
,		17-18	1st Semes			Take C-Ba		
			Mus 311	History of Music	3	Mus 310	Choral Techniques	2
2nd Semeste	er		Mus	Applied Music Major	2	Mus 211	Music Theory	3
	Music Theory	4	Mus 240	Recital Attendance	Cr	Mus 227	Applied Music Major Piano	2
	Applied Music Major	2	Mus	App Piano or Mus Elective	1-2	Mus 165	Applied Music Voice	1
	Recital Attendance	Cr	Mus	Large Ensemble	1	Mus 122	Concert Chorale	1
	App Piano or Mus Elective	1-2	CORE	[Phys 100 Fund of Phys Sci		Mus 240	Recital Attendance	C
		1			3	CORE	[Kine 103 Lifetime Wellness]	2
	Large Ensemble		Foreign La	0 0		CORE	[Kine 101 Physical Activity]	1
	[Eng 102 Comp II]	3	Mus 433	Arranging	4	CORE	[Eng 281 or 282 Lit]	3
CORE	[Math 110 Intro to Col Math				19-20	Educ 200	Orientation to Educ II	-
		14-15				Educ 302	Exceptional Child	2
			2nd Seme			CORE	[Hist 110 U.S. History]	3
Sophomore	Year		Mus 312	History of Music	3	CORE	[FIISUTTO U.S. MISIOTY]	21
1st Semester			Mus	Applied Music Major	2			2
	Music Theory	3	Mus 240	Recital Attendance	Cr	2 10		
Mus	Applied Music Major	2	Mus 450	Senior Recital	Cr	2nd Seme		
Mus 240	Recital Attendance	Cr	Mus	Large Ensemble	1		admission to teacher educatio	
Mus	App Piano or Mus Elective	1-2	CORE	[PSc 120 Gov't: U.S./Sta/Loc	c] 3	Mus 182	Conducting Tech	
	Large Ensemble	1	Educ 301	Use of Comp Software in		Mus 212	Music Theory	
CORE	[Kine 103 Lifetime Wellnes		2000 001	Class (or computer course		Mus 228	Applied Music Major Piano	
CORE	[Kine 101 Physical Activity			approved by music dept.)	3	Mus 166	Applied Music Voice	
CORE	[Hist 110 U.S. History]	3	CORE	[Anth 342 Compar Culture:		Mus 121	Concert Chorale	
CORE	[Econ 180 Amer Econ Sys]				3	Mus 240	Recital Attendance	C
COKE	[LCOII 100 Affier ECOII 3ys]	16-17	Foreign L	anguage	18	Mus 409	Choral Literature	
		10-17	ID.	ant Danamanan dational	10	CORE	[Comm 100 Oral Comm]	
			[Departm	ent Recommendations]		CORE	[Bio 101 General Biology]	
						CORE	[PSc 120 Gov't: U.S./Sta/Loc	

Music / 101

Junior \				of Science in Education		Mus 211	App Mus Woodwind/Brass	1
	edia competencies.	11100		ode 0857		Mus 311	History of Music	3
Mus 31		2	Music M	ajor		Mus 420	Form & Analysis	3
		3	Grades I	re K-12 Certification		Mus 427	Applied Music Major Piano	
Mus 42			(Plan B)	Single Teaching Field		Mus 391	Marching Band	1
Mus 42	, ,	2		d Major with Instrumental		Mus 240	Recital Attendance	Cr
Mus 36		1	,			Educ 329	Ped Theo Meth & Prac	4
Mus 32	1 Concert Chorale	1	Emphasi	5		Educ 321	Microteaching	2
Mus 24	Recital Attendance	Cr				Educ 423	Classroom Management	2
Educ 32	9 Ped Theo Meth & Prac	4	Freshman	Year			Classicom Management	24
Educ 32		2	1st Semes	ter				24
Educ 42		2	Course		Hours			
Psy 100		3	Mus 111	Music Theory	4	2 16		
1 5y 100	General r sychology	21	Mus 227	Applied Music Major Piano		2nd Seme		
		21			2		233 String/Percussion Tech	1
0 10			Mus 191	Marching Band	1	Mus	App Mus Woodwind/Brass	1
2nd Sen			Mus 240	Recital Attendance	Cr	Mus 312	History of Music	3
Mus 44:	0	2	CORE	[Eng 101 Comp I]	3	Mus 428	Applied Music Major Piano	2
Mus 31:		3	Psy 120	College Orientation	1	Mus 392	Concert Band	1
Mus 428	Applied Music Major Piano	2	CORE	[Mus 110 Music Apprec]	3	Mus 240	Recital Attendance	Cr
Mus 366	Applied Music Voice	1	Psy 100	General Psychology	3	Mus 333	Music in Elem Grades	2
Mus 322	2 Concert Chorale	1	Educ 100	Orientation to Educ I	1	CORE	[Psc 120 Gov't: U.S./Sta/Loc]	
Mus 240	Recital Attendance	Cr			18	CORE	[Art 110 or Th 110]	3
Mus 333		2				CORE	The state of the s	
CORE	[Anth 342 Comp Cultures]	3	2nd Seme	ster		CORE	[Anth 342 Comp. Cultures]	3
CORE	[Hist 320 U.S. History]		Mus 112	Music Theory	1			19
	- /-	3			4			
Psy 305	Developmental Psychology	4	Mus 228	Applied Music Major Piano	2	Senior Yea		
		21	Mus 192	Concert Band	1	1st Semest	er	
			Mus 240	Recital Attendance	Cr	Apply for a	admission to student teaching. A	Il course
Senior Y	ear		CORE	[Eng 102 Comp II]	3		t be completed except Profession	
1st Seme	ester	dan.	CORE	[Kine 103 Lifetime Wellness]	2	mester cou		
Apply fo	r admission to Student Teaching.	All	CORE	[Kine 101 Physical Activity]	1	Mus 391	Marching Band	1
	vork must be completed except		CORE	[Math 110 Intro to Col Math]	3	Mus 413	Instrumental Music Methods	2
	onal Semester courses.		CORE	[Econ 180 Amer Econ Sys]	3	Mus 427		
Mus 321		1	COME	[Leon 100 / liner Leon 5/5]	19		Applied Music Major Piano	2
					19	Mus 450	Senior Recital	Cr
Mus 427		2	C	- V		Mus 240	Recital Attendance	Cr
Mus 450		Cr	Sophomor			Psy 310	Educational Psychology	2
Mus 240		Cr	1st Semest			CORE	[Phys 100 Fund of Phys Sci]	5
Psy 310	Educational Psychology	2	Take C-Ba			Educ 301	Use of Comp Sftwr in Cls (or	
CORE	[Phys 100 Fund of Phys Sci]	- 5	Mus 232/2	34 Brass/Woodwind Tech	2		computer course approved	
Educ 30	1 Use of Comp Software in		Mus 211	Music Theory	3		by music dept.)	3
	Class (or computer course	THE REAL PROPERTY.	Mus 227	Applied Music Major Piano	2	Educ 422	Techniques of Reading	2
	approved by music dept.)	3	Mus 240	Recital Attendance	Cr	Mus 433	Arranging	4
Educ 42		2	CORE	[Hist 110 U.S. History]	3	Wids 433	/ uranging	
Mus 433		4	Educ 200	Orientation to Educ II	1			21
Wius 433	Arranging		Educ 302			2 10		
		19		Exceptional Child	2	2nd Semes		
0 1-		49 1	Mus 191	Marching Band	1	Mus 335	Tchng Mus in Sec School	2
2nd Sem			Psy 305	Developmental Psychology	4	Educ 402	Foundations of Educ	2
Mus 335	0	2			18	Educ 432	Critical Issues in Educ	2
Educ 40	2 Foundations of Educ	2				Educ 412	Individual Curriculum Dev (2	2)
Educ 432	2 Critical Issues in Educ	2	2nd Semes			OR	the declaration of the second	E JOHN ST
Educ 412		4	Apply for a	admission to teacher education.		Educ 420	Intro to Counseling (3)*	
OR	50	165		33 String/Percussion Tech	1	OR	o to counselling (5)	
Educ 420	Intro to Counseling* (3)	Total T	Mus 182	Conducting Tech	2	Psy 412	Meas & Eval (2)	2.2
OR	indo to Counselling (3)	1	Mus 212	Music Theory	3	,	· · ·	2-3
	Mana 8 First (2)	2.2				Educ 464	Student Teaching	8
Psy 412		2-3	Mus 228	Applied Music Major Piano	2			16-17
Educ 464	- C	8	Mus 192	Concert Band	1		nt Recommendations]	
	16	-17	Mus 240	Recital Attendance	Cr		t night only, must be taken sem	nester
			CORE	[Hist 120 U.S. History]	3		dent teaching.	
[Departn	nent Recommendations]	THE PARTY	CORE	[Bio 101 General Biology]	4		The state of the s	
	taken at night, semester prior to st	tudent	CORE	[Comm 100 Oral Comm]	3			
		Right	CORE	[Eng 281 or 282 Lit]	3			
teaching					22			
teaching								
teaching			Junior Yea					
teaching			Junior Yea 1st Semeste					
teaching			1st Semeste	er				
teaching			1st Semeste Pass media	er competencies.	2			
teaching			1st Semeste Pass media	er	2 2			

102 / Music

Pachalar	of Science in Education		Junior Year			Bachelor	of Science in Education	
			1st Semeste			Major Cod		
Major Coo				competencies.				
Music Ma			Mus 311	History of Music	3	Music Ma		
(Plan B)	Single Teaching Field			Form & Analysis	3		e K-12 Certification	
	e K-12 Certification		Mus 420	Applied Music Voice	2	(Plan B)	Single Teaching Field	
Vocal Ma			Mus 467		1	Instrumer	ntal Major	
VOCAI IVIA	jor		Mus 325	Applied Music Keyboard	1		,	
			Mus 321	Concert Chorale	1	Freshman '	Voor	
Freshman '			Mus 240	Recital Attendance	Cr			
1st Semeste	er		Educ 329	Ped Theo Meth & Prac	4	1st Semeste		Hours
Course		Hours	Educ 321	Microteaching	2	Course		Hours
Mus 109	Sight Singing	2	Educ 423	Classroom Management	2	Mus 111	Music Theory	4
Mus 111	Music Theory	4	CORE	[Anth 342 Comp Cultures]	3	Mus	Applied Music Major	2
Mus 267.	Applied Music Voice	2			21	Mus 113	Class Piano	1
Mus 113	Class Piano	1				Mus 191	Marching Band (1)	
Mus 121	Concert Chorale	1	2nd Semes	ter		OR		
Mus 240	Recital Attendance	Cr	Mus 312	History of Music	3	Mus 151	Orchestra (1)	1
CORE	[Eng 101 Comp I]	3		,	2	Mus 240	Recital Attendance	Cr
Psy 120	College Orientation	1	Mus 468	Applied Music Voice		CORE	[Eng 101 Comp I]	3
,		2	Mus 326	Applied Music Keyboard	1	Psy 120	College Orientation	1
CORE	[Mus 110 Music Apprec]	3	Mus 322	Concert Chorale	1	CORE	[Mus 110 Music Apprec]	3
Educ 100	Orientation to Educ I	1	Mus 240	Recital Attendance	Cr		General Psychology	3
		18	Mus 333	Music in Elem Grades	2	Psy 100		
			Mus 443	Adv Choral Conducting	2	Educ 100	Orientation to Educ I	1
2nd Semes	ster		CORE	[PSc 120 Gov't: U.S./Sta/Loc	3			19
Mus 112	Music Theory	4	Psy 305	Developmental Psychology	4			
Mus 268	Applied Music Voice	2	CORE	[Hist 320 U.S. History]	3	2nd Semes	ster	
Mus 113	Class Piano	1	CORE	[1 1130 320 0 101 1 11000 7]	21	Mus 112	Music Theory	4
Mus 122	Concert Chorale	1				Mus	Applied Music Major	2
Mus 240	Recital Attendance	Cr	Senior Yea			Mus 113	Class Piano	1
CORE	[Eng 102 Comp II]	3				Mus 192	Concert Band (1)	
	[Kine 103 Lifetime Wellness]		1st Semest			OR		
CORE				student teaching. All courses		Mus 152	Orchestra (1)	1
CORE	[Kine 101 Physical Activity]	1	,	except for Professional Semeste			Recital Attendance	Cr
CORE	[Math 110 Intro to Col Math]		Mus 321	Concert Chorale	1	Mus 240		
CORE	[Art 110 or TH 110]	3	Mus 467	Applied Music Voice	2	CORE	[Eng 102 Comp II]	3
		20	Mus 450	Senior Recital	Cr	CORE	[Kine 103 Lifetime Wellness]	2
			Mus 240	Recital Attendance	Cr	CORE	[Kine 101 Physical Activity]	1
Sophomor	e Year		Mus 433	Arranging	4	CORE	[Math 110 Intro to Col Math]	
1st Semest			CORE	[Phys 100 Fund of Phys Sci]		CORE	[Art 110 or TH 110]	3
Take C-Ba			Educ 301	Use of Comp Sftwr in Clsrm				20
Mus 310	Choral Techniques	2	Lauc 301	(or computer course approv				
Mus 113	Class Piano	1			3	Sophomor	e Year	
Mus 211	Music Theory	3	E 1 400	by music dept.)		1st Semest		
	Applied Music Voice		Educ 422	Tchng Rdng in Sec Sch	2	Take C-Ba		
Mus 267		2	Psy 310	Education Psychology	2	Mus 113	Class Piano	1
Mus 121	Concert Chorale				19		Music Theory	3
Mus 240	Recital Attendance	Cr				Mus 211		
CORE	[Eng 281 or 282 Lit]	3	2nd Seme	ster		Mus	Applied Music Major	2
Educ 200	Orientation to Educ II	1	Mus 335	Tchng Music in Sec School	2	Mus 191	Marching Band (1)	
Educ 302	Exceptional Child	2	Educ 402	Foundations of Educ	2	OR		
CORE	[Econ 180 Amer Econ Sys]	3	Educ 432	Critical Issues in Educ	2	Mus 151	Orchestra (1)	1
CORE	[Hist 110 U.S. History]	3	Educ 412	Individual Curriculum Dev			234 Brass/Woodwind Tech	2
		21	OR		7	Mus 240	Recital Attendance	Cr
			Educ 420	Intro to Counseling (3)*		CORE	[Eng 281 or 282 Lit]	3
2nd Seme	ster		OR	indio to codificinia (3)		Educ 200	Orientation to Educ II	- 1
	admission to Teacher Educatio	n.		Moss & Eval (2)	2-3	Educ 302	Exceptional Child	2
Mus 113	Class Piano	1	Psy 412	Meas & Eval (2)	2-3	CORE	[Econ 180 Amer Econ Sys]	3
Mus 212		3	F. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	C. I . T II	0	CORE	[Comm 100 Oral Comm]	3
	Music Theory Applied Music Voice	2	Educ 464	Student Teaching	8	CORL	[Sommer Too Gran Commi	21
Mus 268					16-17			21
Mus 122	Concert Chorale	1				and Compa	atou	
Mus 182	Conducting Tech	2		at night only, must be taken	semester	2nd Seme		an a
Mus 240	Recital Attendance	Cr		udent teaching.			admission to Teacher Education	
Mus 409	Choral Literature	2	[Departme	ent Recommendations]		Mus 113	Class Piano	1
CORE	[Bio 101 General Biology]	4	152			Mus 182	Conducting Tech	2
CORE	[Comm 100 Oral Comm]	3				Mus 212	Music Theory	3
Psy 100	General Psychology	3				Mus	Applied Music Major	2
		21				Mus 231/2	233 String/Percussion Tech	1
						Mus 192	Concert Band (1)	
						OR		
						Mus 152	Orchestra (1)	1
						Mus 240	Recital Attendance	Cr

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		199
CORE	[Hist 110 U.S. History]	3
CORE	[Bio 101 General Biology]	4
Psy 305	Developmental Psychology	4
		21
Junior Yea	ar	
1st Semes		100
Pass Medi	ia Competencies.	100
Mus 232/2 Mus 311	234 Brass/Woodwind Tech	2
Mus 420	History of Music Form & Analysis	3
Mus	Applied Music Major	2
Mus 411	Marching Band Methods	2
Mus 391	Marching Band (1)	-
OR		Total State
Mus 351	Orchestra (1)	1
Mus 240	Recital Attendance	Cr
Mus 444	Adv Instru Conducting	2
duc 329	Ped Theo Meth & Prac	4
duc 321	Microteaching Classroom Management	2 2
duc 423	Classiooni Management	23
2nd Semes Mus 231/2	ster 233 String/Percussion Tech	1
Mus 312		3
Mus	Applied Music Major	2
Mus 392	Concert Band (1)	
OR		
Mus 352	Orchestra (1)	1
Aus 240 Aus 333	Recital Attendance	Cr
CORE	Music in Elem Grades [PSc 120 Gov't: U.S./Sta/Loc]	2 3
ORE	[Anth 342 Compar Cultures]	3
duc 422	Tchng Rdng in Sec Sch	2
		17
enior Yea	r	A STORE
1st Semeste		
	dmission to student teaching. All o	
work must nester cou	be completed except Profession	ial Se-
Mus 391	Marching Band (1)	
OR		
Aus 351	Orchestra (1)	1
Aus 413	Instrumental Music Methods	2
Aus 150	Applied Music Major	2
Aus 450 Aus 240	Senior Recital Recital Attendance	Cr Cr
Aus 433	Arranging	4
sy 310	Educational Psychology	2
CORE	[Phys 100 Fund Phys Sci]	5
duc 301	Use of Comp Sftwr in Clsrm	
	(or computer course approved	- 04
	by music dept.)	3
ORE	[Hist 320 U.S. History]	3 22
nd Semest		
Aus 335	Tching Music in Sec Sch	2
duc 402 duc 432	Foundations of Educ Critical Issues in Educ	2 2
duc 432	Individual Curriculum Dev (2)	4
OR		
duc 420	Intro to Counseling (3)*	
)R	Mana 0 Fact (2)	
sy 412 duc 464		2-3
Juc 404	Student Teaching	8

*Offered at night only, must be taken semester prior to student teaching.

[Department Recommendations]

For additional information contact:

Mr. Pete Havely

Office: Music Building 216

Phone: 625-9318 FAX: 625-3030

Course Descriptions

Mus 102, 302, 202, 402 (S) **Opera or Musical Theatre Performance**

Performance of a role along with active participation in the different areas of staging the musical or opera. Credit is applied after departmental evaluation and approval at the end of the semester. (Students may not receive credit from both the theatre department and music department for the same production.)

Mus 109 (F) 2 hrs. cr.

Sight Singing

Basic skills and concepts needed for sight-reading, sight-singing, solfege, rhythmic dictation, melodic dictation, and harmonic dictation are introduced, studied, and applied in aural and notated musical examples.

Mus 110 (F, S) 3 hrs. cr.

Music Appreciation

Designed to give the non-music major an insight into musical masterpieces from all eras of music literature.

Mus 111 (F) 4 hrs. cr.

Music Theory

Basic fundamentals of music with initiation of harmonic analysis and partwriting. Basic course for music majors; others by consent of instructor.

Mus 112 (S) 4 hrs. cr.

Music Theory

16-17

Sequential course in written harmony, including inversion, seventh chords and non-harmonic tones. Prerequisite: Mus 111.

Mus 113 (F, S) 1 hr. cr. Class Piano

Reading skills, fundamental piano technique, basic musicianship and elementary repertoire. Material studied varies in accordance with educational purpose.

Mus 121, 321, 122, 322 Mus (F, S) 1 hr. cr. **Concert Chorale**

Open to all college students. Preparation and performance of great choral works. Prerequisite: Permission of instructor. Each class may be repeated four times for credit.

Mus 133 (F)

2 hrs. cr.

Opera

History, production and performance of one act operas, operatic excerpts, musicals and light opera. Academic concentration the first six weeks on opera history and opera production with the last 10 weeks focusing upon the particular opera selected for production the spring semester of that

Mus 141, 341, 142, 342 (F, S) Jazz Band

A stage band open to all students who are qualified instrumentalists. The Jazz Band will prepare and present several concerts during the year, while dealing primarily with music of the jazz idiom. Prerequisite: Permission of instructor. Each class may be repeated four times for credit. Corequisite: Mus 191, 391, 192 or 392.

Mus 151, 351, 152, 352 (F, S) 1 hr. cr. Orchestra

Audition is available to all college students who play an orchestral instrument. The orchestra will present public concerts, performing standard and orchestral literature. Prerequisite: Audition. Each class may be repeated four times for credit.

Mus 161, 361, 162, 362 (F, S) 1 hr. cr.

Southern Exposure

Small select ensemble. Performs all literature from madrigal to modern music, written for small vocal ensemble. Prerequisite: Audition. Each class may be repeated four times for credit. Corequisite: Mus 121, 122, 321 or 322.

Mus 171, 371, 172, 372 (F, S) **Brass Choir**

Open to all students with band instrument experience. Performance of literature for brass ensemble. Each class may be repeated four times for credit.

Mus 182 (F)

Conducting Techniques

Baton technique, factors in interpretation, score reading and rehearsal procedures for instrumental and vocal organizations. Included is experience conducting live rehearsals. Prerequisite: Mus 211.

Mus 191, 391 (F) 1 hr. cr.

Marching Band

Open to all qualified students with high school band experience. A study and practice of the fundamentals of drill and presentation of musical marching maneuvers. Prerequisite: Permission of instructor. Each class may be repeated four times for credit.

Mus 192, 392 (S) 1 hr. cr.

Concert Band

Open to all qualified students with band instrument experience. Rehearsal and public performances of composite repertoire. Prerequisite: Permission of instructor. Each class may be repeated four times for credit.

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Mus 211 (F)

3 hrs. cr.

Music Theory

Modulation, diatonic, seventh chords, altered chords, advanced partwriting procedures. Prerequisite: Mus 112.

Mus 212 (S)

3 hrs. cr.

Music Theory

Secondary dominant chords, augmented triads and sixth chords, advanced modulation, introduction to contemporary techniques. Prerequisite: Mus 211.

Mus 215 (Demand)

2 hrs. cr.

Vocal Pedagogy

An introduction to the science and teaching of singing. Emphasis is placed upon the study of the physiology and anatomy, breathing and phonation, and acoustics of the vocal instrument as well as the pedagogical approaches to training the singing voice.

Mus 219 (Demand) 2 hrs. cr. **Vocal Diction and Literature**

Applied voice students receive instruction in the correct pronunciation of English, Italian, French, German and Ecclesiastical Latin as used in the study of vocal literature.

Mus 231 (S)

1 hr. cr.

String Techniques

Class instruction in the string instruments, including a study of methods and materials to be used in the teaching of beginning students.

Mus 232 (F)

2 hrs. cr.

Brass Techniques Class instruction in the brass instruments, including a study of methods and materials to be used in the teaching of beginning students.

Mus 233 (S)

1 hr. cr.

Percussion Techniques

(Not open to percussion majors)

Class instruction in the percussion instruments, including a study of methods and materials to be used in the teaching of beginning students.

Mus 234 (F)

2 hrs. cr.

Woodwind Techniques

Class instruction in the woodwind instruments, including a study of methods and materials to be used in the teaching of beginning students.

Mus 240 (F, S)

0 hrs. cr.

Recital Attendance

Attendance at designated afternoon and evening recitals and concerts is required of all music majors each semester. Corequisite: Music major (major code of 0856, 0866, or 1005.)

Mus 243 (F)

Musical Theatre

History, production and performance of musical theatre. Academic concentration on scenes from musicals with emphasis on acting, music, and dance techniques needed for musical productions, and focus upon representative musicals from the past fifty years and more specifically on the particular musical selected for production in the spring semester of that school year. Course also offered under Th 243.

Mus 298 (Demand)

1-3 hrs. cr.

3 hrs. cr.

Selected Topics in Music

Study of special topics in music not included in another course. Prerequisite: Permission of in-

Mus 309 (F)

2 hrs. cr.

Choral Techniques

Designed to formulate principles for directing secondary and adult choral ensembles. Covers motivational techniques, including body language, verbal skills, understanding of the vocal mechanism and the function of rhythm in the musical phrase. Explores various organizational methods, rehearsal procedures and teaching materials. Also includes conducting techniques conducive to encouraging proper vocal technique. Prerequisite: Mus 182.

Mus 311 (F)

3 hrs. cr.

History of Music

General survey of history of music from Greek period to 18th century. Prerequisite: Mus 211.

Mus 312 (S)

3 hrs. cr.

History of Music

From 18th century to the present. Score reading required. Prerequisite: Mus 211.

Mus 332 (F, S)

2 hrs. cr.

Music for the Elementary School

Methods of teaching music in the elementary classroom and a study of materials to be used.

Mus 333 (Demand)

2 hrs. cr.

Music for the Elementary Grades

Methods of teaching music in the elementary classroom and a study of materials to be used. Restricted to music majors and advanced music students. Prerequisite: Mus 112.

Mus 409 (S)

2 hrs. cr.

Choral Literature

Study of choral and vocal chamber literature from the early Renaissance through the twentieth century. Concentrate on performance styles of various types of choral literature. Prerequisite: Mus 211.

Mus 411 (F)

2 hrs. cr.

Marching Band Methods

Procedures needed in organization, promotion, equipping, rehearsing and performance of a marching band including study of musical repertoire and charting of field maneuvers. For music majors; others by consent of instructor. Prerequisite: 2 semesters marching band. Corequisite: Mus 391.

Mus 413 (F)

2 cr. hrs.

Instrumental Music Methods

Acquaints instrumental music education majors with the administration and supervision of the instrumental program through the high school level. Content includes curriculum, schedules, budget, instructional techniques, classroom management, public relations, philosophy, and psychology as they relate to instrumental music education. Prerequisite: Mus 182.

Mus 420 (F)

3 hrs. cr.

Form and Analysis

Harmonic and formal analysis of composition from the Baroque Era through contemporary music. Prerequisite: Mus 212.

Mus 433 (F)

4 hrs. cr.

Instrumental and Vocal Arranging

An in-depth study of wind, string, and percussion instruments. Scoring for various instrumental and vocal combinations. Prerequisite: Mus 212.

Mus 443 (S)

2 hrs. cr.

Advanced Choral Conducting

Conducting techniques specifically related to choral music. Prerequisite: Mus 182

Mus 444 (F)

2 hrs. cr.

Advanced Instrumental Conducting Techniques Conducting skills, including irregular beat patterns, advance technical problems, and methods developed for solving them. Prerequisite: Mus

Mus 450(F,S) 0 hrs. cr.

Senior Recital

A solo recital is required of all music majors. The recital is to be given within the last year of residency. Corequisite: Mus 417, 427, 437, 447, 467, 418, 428, 438, 448, 458, or 468.

Mus 498 (Demand)

1-3 hrs. cr.

Seminar in Music

For upper division music majors or related majors. Topics and methods not included in other courses. Permission of instructor is required.

Mus 499 (Demand) **Independent Study**

1-3 hrs. cr.

Designed for the individual who desires to explore a topic more completely than can be done in a regular course offering. Prerequisite: See "General Regulations" in the catalog.

Applied Music Elective (Private Lessons)

Private study in: Brass, Keyboard, Percussion, String, Woodwind and Voice. All applied music offerings may be repeated twice for credit.

for crec	It.		The last
Mus 115	Applied Music Brass El	lective	1 hr. cr.
Mus 125	Applied Music Keyboa	rd Elective	1 hr. cr.
Mus 135	Applied Music Percuss	ion Elective	1 hr. cr.
Mus 145	Applied Music String E	lective	1 hr. cr.
Mus 155	Applied Music Woodw		1 hr. cr.
Mus 165	Applied Music Voice E		1 hr. cr.
Mus 116	Applied Music Brass El		1 hr. cr.
Mus 126	Applied Music Keyboa		1 hr. cr.
Mus 136	Applied Music Percuss	ion Flective	1 hr. cr.
Mus 146	Applied Music String E		1 hr. cr.
Mus 156	Applied Music Woodw		1 hr. cr.
Mus 166	Applied Music Voice E		1 hr. cr.
Mus 315	Applied Music Brass El		1 hr. cr.
Mus 325	Applied Music Keyboa		1 hr. cr.
	Applied Music Reyboa Applied Music Percuss		1 hr. cr.
Mus 335			
Mus 345	Applied Music String E		
Mus 355	Applied Music Woodw		1 hr. cr.
Mus 365	Applied Music Voice E		1 hr. cr.
Mus 316	Applied Music Brass El		1 hr. cr.
Mus 326	Applied Music Keyboa		1 hr. cr.
Mus 336	Applied Music Percuss		1 hr. cr.
Mus 346	Applied Music String E		1 hr. cr.
Mus 356	Applied Music Woodw		1 hr. cr.
Mus 366	Applied Music Voice E		1 hr. cr.
Mus 117	Applied Music Brass El		2 hrs. cr.
Mus 127	Applied Music Keyboa		2 hrs. cr.
Mus 137	Applied Music Percuss		2 hrs. cr.
Mus 147	Applied Music String E		2 hrs. cr.
Mus 157	Applied Music Woodw		2 hrs. cr.
Mus 167	Applied Music Voice E	lective	2 hrs. cr.
Mus 118	Applied Music Brass El	lective	2 hrs. cr.
Mus 128	Applied Music Keyboa	rd Elective	2 hrs. cr.
Mus 138	Applied Music Percuss	ion Elec	2 hrs. cr.
Mus 148	Applied Music String E	lective	2 hrs. cr.
Mus 158	Applied Music Woodw		2 hrs. cr.
Mus 168	Applied Music Voice E		2 hrs. cr.
Mus 317	Applied Music Brass El		2 hrs. cr.
Mus 327	Applied Music Keyboa		2 hrs. cr.
Mus 337	Applied Music Percuss		2 hrs. cr.
Mus 347	Applied Music String E		2 hrs. cr.
Mus 357	Applied Music Woodw		2 hrs. cr.
Mus 367	Applied Music Voice E		2 hrs. cr.
Mus 318	Applied Music Brass El		2 hrs. cr.
Mus 328	Applied Music Keyboa		2 hrs. cr.
Mus 338	Applied Music Percuss		2 hrs. cr.
Mus 348	Applied Music String E		2 hrs. cr.
	Applied Music Woodw		2 hrs. cr.
Mus 358			2 hrs. cr.
Mus 368	Applied Music Voice E	lective	2 1115. Cr.
	lazz Improvisation		1 64 00
Mus 114			1 hr. cr.

Applied Music Major (Private Lessons)

Mus 214

Private study in Brass, Keyboard, Percussion, String, Woodwind and Voice. All applied music offerings may be repeated twice for credit

2 hrs. cr.

credit.		11
Mus 217	Applied Music Brass Major	2 hrs. cr.
Mus 227	Applied Music Keyboard Major	2 hrs. cr.
Mus 237	Applied Music Percussion Major	2 hrs. cr.
Mus 247	Applied Music String Major	2 hrs. cr.
Mus 257	Applied Music Woodwind Major	2 hrs. cr.
Mus 267	Applied Music Voice Major	2 hrs. cr.
Mus 218	Applied Music Brass Major	2 hrs. cr.
Mus 228	Applied Music Keyboard Major	2 hrs. cr.
Mus 238	Applied Music Percussion Major	2 hrs. cr.
Mus 248	Applied Music String Major	2 hrs. cr.
Mus 258	Applied Music Woodwind Major	2 hrs. cr.
Mus 268	Applied Music Voice Major	2 hrs. cr.
Mus 417	Applied Music Brass Major	2 hrs. cr.
Mus 427	Applied Music Keyboard Major	2 hrs. cr.
Mus 437	Applied Music Percussion Major	2 hrs. cr.

Mus 447 A	pplied Music	String Major	2 hrs. cr.
		Woodwind Major	2 hrs. cr.
	pplied Music		2 hrs. cr.
Mus 418 A	pplied Music	Brass Major	2 hrs. cr.
Mus 428 A	pplied Music	Keyboard Major	2 hrs. cr.
Mus 438 A	pplied Music	Percussion Major	2 hrs. cr.
Mus 448 A	pplied Music	String Major	2 hrs. cr.
Mus 458 A	pplied Music	Woodwind Major	2 hrs. cr.
Mus 468 A	pplied Music	Voice Major	2 hrs. cr.
Corequisite	: Music maje	or (major code of	0853, 0854,
0855, 0856	, 0857, 0866	or 1005.)	

Mus 126 Applied Music Keyboard Flective

Mus 126	Applied	Music	Keyboard Elective	1 hr. cr.
Mus 136			Percussion Elective	1 hr. cr.
Mus 146	Applied	Music	String Elective	1 hr. cr.
Mus 156	Applied	Music	Woodwind Elective	1 hr. cr.
Mus 166			Voice Elective	1 hr. cr.
Mus 315			Brass Elective	1 hr. cr.
Mus 325			Keyboard Elective	1 hr. cr.
Mus 335			Percussion Elective	1 hr. cr.
Mus 345			String Elective	1 hr. cr.
Mus 355			Woodwind Elective	1 hr. cr.
Mus 365			Voice Elective	1 hr. cr.
Mus 316			Brass Elective	1 hr. cr.
Mus 326			Keyboard Elective	1 hr. cr.
Mus 336			Percussion Elective	1 hr. cr.
Mus 346			String Elective	1 hr. cr.
Mus 356			Woodwind Elective	1 hr. cr.
Mus 366			Voice Elective	1 hr. cr.
Mus 117			Brass Elective	2 hrs. cr.
Mus 127	Applied	Music	Keyboard Elective	2 hrs. cr.
Mus 137			Percussion Elec	2 hrs. cr.
Mus 147	Applied	Music	String Elective	2 hrs. cr.
Mus 157			Woodwind Elective	2 hrs. cr.
Mus 167			Voice Elective	2 hrs. cr.
Mus 118	Applied	Music	Brass Elective	2 hrs. cr.
Mus 128	Applied	Music	Keyboard Elective	2 hrs. cr.
Mus 138			Percussion Elec	2 hrs. cr.
Mus 148			String Elective	2 hrs. cr.
Mus 158			Woodwind Elect	2 hrs. cr.
Mus 168			Voice Elective	2 hrs. cr.
Mus 317			Brass Elective	2 hrs. cr.
Mus 327			Keyboard Elective	2 hrs. cr.
Mus 337			Percussion Elec	2 hrs. cr.
Mus 347	Applied	Music	String Elective	2 hrs. cr.
Mus 357			Woodwind Elec	2 hrs. cr.
Mus 367			Voice Elective	2 hrs. cr.
Mus 318			Brass Elective	2 hrs. cr.
Mus 328			Keyboard Elective	2 hrs. cr.
Mus 338			Percussion Elec	2 hrs. cr.
Mus 348			String Elective	2 hrs. cr.
Mus 358			Woodwind Elective	2 hrs. cr.
Mus 368			Voice Elective	2 hrs. cr.
Mus 217			Brass Major	2 hrs. cr.
Mus 227			Keyboard Major	2 hrs. cr.
Mus 237			Percussion Major	2 hrs. cr.
Mus 247			String Major	2 hrs. cr.
Mus 257			Woodwind Major	2 hrs. cr.
Mus 267			Voice Major	2 hrs. cr.
Mus 218			Brass Major	2 hrs. cr.
Mus 228			Keyboard Major	2 hrs. cr.
Mus 238			Percussion Major	2 hrs. cr.
Mus 248			String Major	2 hrs. cr.
Mus 258	Applied	Music	Woodwind Major	2 hrs. cr.
Mus 268			Voice Major	2 hrs. cr.
Mus 417			Brass Major	2 hrs. cr.
Mus 427			Keyboard Major	2 hrs. cr.
Mus 437			Percussion Major	2 hrs. cr.
Mus 447			String Major	2 hrs. cr. 2 hrs. cr.
Mus 457	Applied	Music	Woodwind Major Voice Major	2 hrs. cr. 2 hrs. cr.
Mus 467				2 hrs. cr.
Mus 418			Brass Major Keyboard Major	2 hrs. cr.
Mus 428 Mus 438			Percussion Major	2 hrs. cr.
Mus 448			String Major	2 hrs. cr.
Mus 458			Woodwind Major	2 hrs. cr.
THIUS TOO	hhuga	HUSIC	TTOOUTHIU ITIUJOI	- 1113. 01.

Mus 468 Applied Music Voice Major

Corequisite: Music major (major code of 0853, 0854, 0855, 0856, 0857, 0866, or 1005.)

Elective in Jazz Improvisation

Mus 114

Mus 214

2 hrs. cr.

2 hrs. cr.

Paralegal Studies

Webster Hall 245, 625-9564

Faculty Miller - Chair, Yates

The paralegal program is designed for the student seeking a career as a legal assistant working under the direction and supervision of an attorney in private practice, government service or legal aid. However, the knowledge and skills acquired in the paralegal program are beneficial to students in the areas of law enforcement, prelaw, business law and political science. Students who choose to learn more about the legal system and how to develop their own skills in legal research for personal enrichment are also encouraged to enroll.

No major or degree is now offered in paralegal studies, but a student enrolled in the paralegal program may obtain an associate of arts degree with an emphasis in paralegal studies. Paralegal studies may also be used as a minor for a bachelor of arts or bachelor of science degree. Students wishing to take only classes in paralegal studies may receive recognition for successfully completing 21 hours of course work. This option is recommended only for post-graduate students or students who have already completed the Core Curriculum. The required courses and suggested electives are listed under the requirements for the minor. Students must have an adviser in paralegal studies.

Minor in Paralegal Studies

Semester Hours **PLS 201** Intro to Legal Assistance 3 **Legal Research** 3 **PLS 302** Electives from the following: 15 Topics in Paralegal Studies3 PLS 298 PLS 311 Property* 3 Civil Litigation* 3 PLS 312 3 Family Law* PLS 320 PLS 401 Wills, Trusts and Probate*3 GB 301 Legal Environment of Business I Legal Environment GB 302 3 of Business II Law, Society & PSc 310 3 **Judicial Process** Constitutional Law I 3 PSc 431 PSc 432 Constitutional Law II 3

106 / Paralegal, Philosophy

PLS 491	Internship**	3
PLS 498	Senior Seminar**	3
PLS 499	Independent Study**	3
OR One of	the following:	
Comm 310	Communications Law	3
LE 250	Criminal Law	3
PSc 322	International Law	3
GB 411	Labor Law	3
		21

*Highly Recommended

**See Prerequisites

Suggested Order of Study

Associate of Arts

Major Code 7999

Emphasis in Paralegal Studies

(This is a general associate of arts degree, NOT a paralegal degree)

Freshman Year 1st Semester

Course		Hour
PLS 201	Intro to Legal Assistance	3
PLS 302	Legal Research	3
CORE	[Eng 101 Comp I]	3
CORE	[PSc 120 Gov't: U.S./Sta/Lo	oc]3
Psy 120	College Orientation	1
CORE	[Kine 103 Lifetime Wellnes	ss] 2
CORE	[Kine 101 Physical Activity] 1
		16
2nd Semester		
CORE	[Eng 102 Comp II]	3
CORE	[Hist 110 or 120 U.S. Hist]	3
CORE	[Math 110 Intro to Col Mat	h] 3
CORE	[Bio 101 General Biology]	4
PLS	Upper Division Elective	3
		16

Sophomore Year

1st Semester		
CORE	[Econ 180, Soc 110 or Psy 1	00]
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Humanities and Fine Arts]	3
PLS	Upper Division Electives	6
		17
2nd Semester		
CORE	[Comm 100 Oral Comm]	3
CORE	[Literature]	3
CORE	[Humanities and Fine Arts]	3
PLS 491	Internship	3
PLS	Upper Division Elective	3
		15

[Department Recommendations]

Suggested electives are Civil Litigation; Family Law; Property; Wills, Trusts and Probate.

For additional information contact:

Dr. Michael Yates

Office: Webster Hall 234

Phone: 625-9333

Course Descriptions

PLS 201 (F)

3 hrs. cr.

Introduction to Legal Assistance

American legal system with emphasis on the roles, skills and tasks of the paralegal. Topics include professional ethics, client interviewing and legal analysis.

PLS 298 (Demand)

3 hrs. cr.

Topics in Paralegal Studies

Special topics of current interest to the student. Subjects are changed each semester. Students are encouraged to submit areas of interest to the social science department.

PLS 302 (F, Odd)

3 hrs. cr.

Legal Research Research involved in case preparation; use of the

law library and the various digests, encyclopedias, reporters, etc., contained therein.

PLS 311 (S, Odd)

3 hrs. cr.

Property

Laws relating to real and personal property with emphasis on the procedures and forms used in real estate transactions and conveyances such as deeds and contracts.

PLS 312 (S, Even)

3 hrs. cr.

Civil Litigation

Process of civil litigation from filing to appeal including rules for instituting and conducting lawsuits before federal and state courts, rules of procedure, and the preparation of pertinent legal forms.

PLS 320 (S, Even)

Family Law

Laws regulating marriage, adoption, divorce, division of property, child custody and support, adult abuse and termination of parental rights and the preparation of pertinent legal forms.

PLS 401 (F, Even)

3 hrs. cr.

Wills, Trusts and Probate

Law of wills, trusts and intestate succession; includes analysis of the administration and probate of estates and the preparation of pertinent legal forms.

PLS 491 (Demand)

3 hrs. cr.

Internship

An applied internship of 135 hrs. done under the supervision of a practicing professional who is directly engaged in a day-to-day application of the law (i.e. judges, attorneys, government officials) as approved by department head. Prereguisite: 12 hrs. of paralegal studies and/or consent of instructor.

PLS 498 (Demand)

3 hrs. cr.

Senior Seminar

Comprehensive analysis and review of selected legal topics to be announced when course is offered. Prerequisite: 9 hrs. of paralegal studies or consent of instructor.

PLS 499

1-2-3 hrs. cr.

Independent Study

Study and research by the student under the direction and supervision of instructor/adviser with prior approval by department head and school dean. Prerequisites: Advanced standing in the major field and a minimum GPA of 3.0.

Philosophy

Hearnes Hall 312, 625-9659

Faculty Spector - Head, Brown

Philosophy deals with basic questions from all areas of life and thought-science, religion, art, morality and politics—and helps students refine their views on these subjects. Most importantly, philosophy teaches students how to think: how to analyze problems into their essential elements, how to decide which proposed solution to a problem is supported by the best evidence, how to separate relevant from irrelevant points and how to state issues clearly and precisely. While some philosophy students go to graduate school and become professional philosophers, most go on to careers in such areas as law, medicine, theology, business, government and public service. Philosophy students are highly successful in gaining admittance to law schools, medical schools, graduate schools of management, and theological seminaries.

The department offers a minor in philosophy, which consists of 18 credit hours. Students are required to complete a course in Critical Thinking (Phil 140), a course in Ethics (Phil 212, Phil 312, PSc 411 or a suitable Selected Topics Course) and two courses in the History of Philosophy (Phil 301 and 302). Two courses are elective, at least one of which must be at the 300 level or above.

For additional information contact:

Dr. Stephen Spector Office: Hearnes Hall 314 Phone: 625-9535

Philosophy, Physics & Pre-Engineering / 107

Course Descriptions

Phil 140 3 hrs. cr. Critical Thinking

Introduction to logic, with special emphasis on common errors and fallacies in reasoning.

Phil 201 3 hrs. cr.

Introduction to Philosophy

Comparative survey of major types of philosophy and of representative problems in philosophy. (Satisfies 3 hrs. of Core Curriculum requirements in Area 2C Humanities and Fine Arts.)

Phil 212 3 hrs. cr. **Ethics**

Exploration of the problems of value and personal moral standards, comparative survey of major ethical systems and evaluation of the chief ethical struggles in contemporary society. (Satisfies 3 hrs. of Core Curriculum requirements in Area 2C Humanities and Fine Arts.)

Phil 298 3 hrs. cr. **Topics in Philosophy**

Studies in a variety of philosophical subjects. Topic open.

Phil 301 3 hrs. cr. Ancient Philosophy

Historical study of ancient philosophy, with special emphasis on the writings of Plato and Aristotle. Prerequisites: 3 hrs. of philosophy or permission of instructor.

Phil 302 3 hrs. cr.

Modern Philosophy

A survey of the major schools of western philosophy from 1550 to 1850. Prerequisites: 3 hrs. of philosophy or permission of instructor.

Phil 312 3 hrs. cr. **Biomedical Ethics**

A comprehensive investigation of ethical problems relating to health care and the practice of medicine, including study of such issues as euthanasia and the right to die, abortion, confidentiality, patient rights and professional responsibilities, allocation of medical resources, and medical experimentation.

Phil 320 3 hrs. cr.

Comparative Religion

A philosophical and historical survey, emphasizing the world's major living religions. (Meets Core Curriculum requirements in Area 5, International Cultural Studies.)

Phil 420 3 hrs. cr.

Philosophy of Science

Investigation of the nature and scope of scientific inquiry. Topics include the logic of scientific reasoning, the nature of scientific theories, the conceptual presuppositions of science, and the relation between the natural and social sciences. Prerequisites: 3 hrs. of philosophy or permission of instructor.

Phil 498 3 hrs. cr. **Seminar in Philosophy**

Comprehensive analysis of selected topics in philosophy. For upper division students.

Phil 499 1-3 hrs. cr. Independent Study

Individually directed study in selected areas for advanced students. Prerequisite: GPA of 3.0 in philosophy. Enrollment must be approved by adviser, department head and school dean.

Physics and Pre-Engineering

Reynolds Hall 210, 625-9376

Faculty Baiamonte - Head, Chelf, Knapp, Phillips, Sloan

Physics graduates obtain a strong diversified background in science and mathematics which will qualify them to enter various areas of employment in industry, government or secondary education, or for entrance into graduate programs in physics and engineering. Students who plan to do graduate work in engineering should, with the help of a faculty adviser, select their free electives in the area they plan to enter.

The physics area of the physical science department participates in cooperative two-year pre-engineering programs which allow students to complete the first two years of an engineering degree at Missouri Southern and then transfer to an engineering school to complete the remaining two years of the degree. (See page 188).

Bachelor of Science with a Major in Physics

Semester Hours
Core Requirements (p. 43) 51* 43
Physics Requirements 39
Phys 160 Coporal Physics I** 3

Phys 160	General Physics I**	3
Phys 270	General Physics II**	5
Phys 280	General Physics III**	5
Phys 301	Modern Physics**	4
Phys 322	Classical Mechanics**	3
Phys 341	Thermal Physics**	4
Phys 372	Electronic Circuits**	4
Phys 381	Intermediate Physics	

Laboratory**

Phys 401	Electricity & Magnetism	**4
Phys 452	Quantum Mechanics**	
OR		
Phys 480	Selected Topics in	
	Physics & Engineering	3
Phys 498	Seminar	1
Supporting	Requirements	26
Chem 101	General Chemistry I**	5
Math 150	Calculus with Analytica	158
	Geometry I**	5
Math 250	Calculus with Analytica	
	Geometry II**	5
Math 260	Calculus with Analytica	
	Geometry III**	5
Math 322	Differential Equations**	3
Comp 110	Programming I	3
Electives***		20
	1:	28***

*Required physics, chemistry and mathematics courses satisfy major requirements and 8 hours of the Core Curriculum.

**See Prerequisites

***Suggested Electives (Chem 102, Comp 210, Math 351, Math 431 and Phys 480)
****Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Science in Education with a Major in Physics

Grades 9-12 Certification Unified Science with a Physics Endorsement

Semester Hours					
Core Requi	rements (p. 43) 51*	36			
Physics Requirements					
Phys 280	General Physics III (5)	2			
Phys 301	Modern Physics**	4			
Phys 312	Statics**	3			
Phys 322	Classical Mechanics**	3			
Phys 341	Thermal Physics**	4			
Phys 372	Electronic Circuits**	4			
Phys 381	Intermediate Physics				
	Laboratory**	3			
Phys 498	Seminar	2			
Supporting	Requirements	66			
Phil 420	Philosophy of Science	3			
Bio 101	General Biology	4			
Bio 112	Botanical Survey**	4			
Bio 122	Zoological Survey**	4			
Chem 101	General Chemistry I**	5			
Chem 102	General Chemistry II**	5			
Phys 160	General Physics I**	3			
Phys 270	General Physics II**	5			
Phys 280	General Physics III (5)	3			
Geol 110	Intro to Geology	5			
Geol 180	3				

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Math 150	Calculus with Analytica	
	Geometry I**	5
Math 250	Calculus with Analytica	1
	Geometry II**	5
Math 260	Calculus with Analytica	l
	Geometry III**	5
Comp 110	Programming I	3
Select one:		
Bio 312	Environmental Biology	4
Bio 402	General Ecology	4
Bio 481	Aquatic Ecology	4
Geol 300	Environmental Geology	4
Education (Certification Requiremen	ts
(p. 149)		41-42
	16	8-169

*Required physics, chemistry, mathematics, biology and psychology courses satisfy major requirements and 15 hours of the Core Curriculum.

**See Prerequisites

Minor in Physics

	Semester F	Hours
Phys 160	General Physics I	3
Phys 270	General Physics II	5
Phys 280	General Physics III	5
Physics	Upper Division Electives	
	(excluding Phys 300)	8
		0

Suggested Order of Study

Bachelor of Science

Major Code 1902 Physics Major

Freshman Year

1st Semester	r	
Course		Hour
Math 150	Calculus I	5
Chem 101	Gen Chem I (Alg & Trig)	5
CORE	[Eng 101 Comp I]	3
Phys 160	General Physics I	3
Psy 120	College Orientation	1
		17
2nd Semeste	er	

Ziid Jeillest	CI	
Phys 270	Gen Physics II (Math 150) 5	,
Math 250	Calculus II (Math 150) 5	,
Elective	[Chem 102 General Chem II] 5	
CORE	[Fng 102 Comp II] 3	

Sophomore Year 1st Semester

1 3t Scillester		
Phys 280	Gen Physics III (Phys 270)	5
Math 260	Calculus III (Math 250)	5
Comp 110	Programming I	3
CORE	[Hist 110 U.S. History]	3
CORE	[Kine 103 Lifetime Wellne	ss] 2
		18
2nd Semeste	r	
Phys 322	Classical Mechanics (3)	
OR		
Phys 341	Thermal Physics (4)	3-4
DI 272	FI (C' 't-	4

Phys 372 Electronic Circuits 4
Math 322 Differential Equations 3
CORE [Hist 120 or 320 U.S. Hist] 3
CORE [Econ 180 Amer Econ Sys] 3
CORE [Kine 101 Physical Activity] 1
17-18

Junior Year 1st Semester Phys 301 Modern Physics Phys 381 Intermediate Physics Lab (3) OR Phys 401 Electricity & Magnetism (4) 3-4 CORE[Bio 101 General Biology] 4 CORE[Humanities and Fine Arts] CORE [Psy 100 Gen Psychology] OR CORE [Soc 110 Sociology] 17 - 18

2nd Semester Phys 341 Thermal Physics (4) OR Phys 322 Classical Mechanics (3) Phys 452 Quantum Mechanics OR Phys 480 Selective Topics Math Elective CORE [Comm 100 Oral Comm] CORE [Humanities and Fine Arts] 3 16-15

Senior Year

Scillor rear	
1st Semester	
Phys 401	Electricity & Magnetism (4)
OR	
Phys 381	Intermediate Phys Lab (3) 4-3
CORE	[Humanities and Fine Arts] 3
CORE	[PSc 120 Gov't: U.S./Sta/Loc] 3
Phys or Math	Elective 3
Electives	3
	16-15

2nd Semest	er	
Phys 452	Quantum Mechanics	
OR	a state of the state of the	
Phys 480	Selective Topics	3
Phys 498	Seminar	1
CORE	[International Cultural Stu]	3
Electives		9
		16

(Prerequisites)
[Department Recommendations]

For additional information contact:

Dr. Russell Phillips

Office: Reynolds Hall 208 Phone: (417) 625-9719

Course Descriptions

Phys 100 (F, S, SS)

5 hrs. cr.

Fundamentals of Physical Science

Basic concepts in the fields of physics, chemistry, geology and astronomy will be presented as time permits. Emphasis on a detailed picture of energy and its uses, including an understanding of both mechanical and thermal efficiencies and the limitations that these efficiencies place on our world. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Lecture and demonstration periods. Prerequisite: Math ACT of 16 or higher or Math 20 with a grade of "C" or better.

Phys 101 (F, S) 5 hrs. c

Physical Science for Elementary Teachers

Basic concepts in the field of physical science. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Four lecture and demonstration periods and one three-hour lab per week. Prerequisite: Math 111.

Phys 102 (F, S)

1 hr. cr.

Physical Science Laboratory

Experiments related to topics studied in Physics 100 will be conducted. One three-hour lab per week. Prerequisite or corequisite: Physics 100.

Phys 151 (F, S, SS)

5 hrs. cr.

Elementary College Physics I

Mechanics, rotational dynamics, properties of matter, heat, wave motion and sound. Four hrs. lecture, one 2-hr. lab per week. Prerequisite: Math 140.

Phys 152 (S)

4 hrs. cr.

Elementary College Physics IIElectricity, circuits, magnetism, optics, relativity, radioactivity, and nuclear reactions. Three hours of lecture and one 2-hr. lab per week. Prerequisite: Phys 151.

Phys 160 (F, S)

3 hrs. cr.

General Physics I

Introductory study of physics covering vector techniques, geometrical and trigonometrical applications in physics, kinematics and dynamics of particles in one, two, and three dimensions, and an introduction to work and energy. Three hours of lecture per week. Prerequisite: Math 140; corequisite: Math 150.

Physics & Pre-Engineering, Political Science / 109

Phys 270 (F, S)

5 hrs. cr.

General Physics II

Introductory study of energy, momentum, kinematics and dynamics of rigid bodies, equilibrium, fluids, waves, and a study of heat and temperature. Four hrs. lecture, one 3-hr. lab/recitation class per week. Prerequisite: Math 150, Phys 160; corequisite: Math 250.

Phys 280 (F, S)

5 hrs. cr.

General Physics III

Introductory study of electricity, magnetism, and geometrical and physical optics. Four hours of lecture and one 3-hr. lab/recitation class per week. Prerequisite: Phys 270, Math 250.

Phys 298 (F, S)

1-3 hrs. cr.

Selected Topics in Physical Science

Special topics in physical science not normally offered in other courses. Prerequisite or corequisite: Math 130 or equivalent.

Phys 300 (Demand)

3 hrs. cr.

Astronomy

Study of our solar system and universe including the following topics: the solar system, Kepler's laws, celestial coordinates and observing. Hertzprung-Russell diagrams, stellar evolution, pulsars, black holes, nebulae, galaxies and cosmology. Three lectures per week. (Does not count toward a physics major.) Prerequisite: Phys 100 or equivalent and one year high school algebra.

Phys 301 (F)

4 hrs. cr.

Modern Physics

Special theory of relativity, wave-particle experiments, introductory quantum mechanics and nuclear physics. Prerequisite: Phys 280. Corequisite: Math 260.

Phys 312 (SS)

3 hrs. cr.

Statics

Principles of mechanics as applied to problems of engineering in which the structures under consideration are in static equilibrium. Three lectures per week. Prerequisite: Phys 160.

Phys 322 (S, Even)

3 hrs. c

Classical Mechanics

Kinematics and dynamics of particles and systems of particles including the harmonic oscillator, potential functions, conservative fields of force, accelerated reference frames, energy, gravitation and rigid bodies. Three hrs. lecture per week. Prerequisite: Phys 270, Corequisite: Math 322 or permission of instructor.

Phys 341 (S, Odd)

4 hrs. cr.

Thermal Physics

Temperature, transfer of heat, laws of thermodynamics, entropy, enthalpy, reversibility and irreversibility, thermal properties of materials, change of phase, use of thermo tables and introduction to heat transfer. Four hrs. lecture per week. Prerequisite: Phys 270; corequisite: Math 260.

Phys 372 (S)

4 hrs. cr.

Electronic Circuits

Ohm's law, Kirchoff's laws, Nodal analysis, mesh analysis, Thevenin's and Norton's theorems, superposition, inductors and capacitors, sourcefree RL and RC circuits, RLC circuits. Complex variables and their application to steady-state AC circuits. Two 3-hr. lectures and lab per week. Presently limited to 15 students by equipment considerations. Prerequisite: Phys 280, Corequisite: Math 260.

Phys 381 (Demand)

3 hrs. cr.

Intermediate Physics Laboratory

(Writing Intensive)

Experiments in classical and modern physics, including wave phenomena, heat transfer, electrical measurements, optics, photoelectric effect and radioactivity. Two 3-hr. lab per week. Prerequisite: Phys 301 or permission of instructor.

Phys 401 (F, Odd)

4 hrs. cr.

Electricity and Magnetism

Electrostatic forces, electric fields, electric potential, properties of conductors and dielectrics, magnetic fields, magnetic properties, induced electromotive force, Maxwell's equations and electromagnetic waves. Four hrs. lecture per week. Prerequisites: Math 260 and Phys 280.

Phys 452 (Demand)

3 hrs. cr.

Quantum Mechanics

Time independent Schroedinger equation, eigenfunctions, expectation values, differential operators, pertubation theory, multielectron atoms and applications to solid state physics. Three hrs. lecture per week. Prerequisite: Phys 301 and Math 322.

Phys 480 (Demand)

3 hrs. c

Selected Topics in Physics and Engineering

One or more of the following topics for further study: solid state physics, optics, nuclear physics, advanced mechanics, quantum mechanics, circuit analysis, thermodynamics, fluid mechanics heat transfer and mechanics of materials. Open to students having a minimum of 18 hrs. of physics and permission of instructor.

Phys 498 (F, S)

1-3 hrs. cr.

Seminar

Topics of current interest by the student from the areas of physics and engineering. Secondary education majors will be required to present several lecture-demonstration programs illustrating the basic concepts in physics at the secondary level. Open to students having a minimum of 18 hrs. of physics and permission of instructor.

Phys 499 (F, S)

1-3 hrs cr

Independent Study

Course structured by the adviser with approval of the department head. Prerequisite: Advanced standing with a GPA of 3.0 in the major field. Registration must be approved by the adviser, department head and school dean.

Political Science

Webster Hall, 625-9564

Faculty Miller - Head, St. Clair, Simpson, Yates, Youst

The bachelor of arts degree with a major in political science is appropriate for those students seeking to do graduate work in political science, enter professional schools of law or public administration, join the public service or work in community service as well as general career options. A bachelor of science in education degree with a major in social studies - political science emphasis - certifies a student to teach on the secondary school level. A minor in political science is available for students majoring in other disciplines. In addition, see page 112 for a social science minor or the social studies in secondary education minor.

Core Curriculum requirements and Missouri statute requirements are met by PSc 120.

PSc 120 is a prerequisite for all other political science courses.

Bachelor of Arts with a Major in Political Science

Semester Hours

Computer	irements (p. 43) 51* Literacy Requirement - I by social science	48
departmen	,	2-3
Foreign La	nguage (four courses in	
one langua	ge)	12
Political Sc	ience Requirements	36
PSc 120	Gov't: U.S./State/Local	3
PSc 300	Intro to Pol Sci Methods	3
PSc 498	Seminar in Political	
	Science	
OR		
PSc 497	Capital Internship	3

110 / Political Science

Hist 110

Hist 120

Hist 320

Supporting Requirements

PSc

OR

Upper Division Electives 12

U.S. History 1492-1877 3

U.S. History 1877-Present 3

U.S. History 1877-Present

CORE

CORE

CORE

36

Select one	e course from each of the	Hist 130	Western Civilization to 16	603	Sophomore '	Year	
following	four areas: 12	Hist 140	Western Civilization		1st Semester		
			Since 1660	3	PSc 120	Gov't: U.S./State/Local*	3
U.S. Politi	ics (3)	Hist	Upper Division U.S.**		CORE Foreign Lang	[English Lit]	3
PSc 301	Political Parties &		(not 320)	6	CORE	[Phys 100 Fund of Phys Sci]	
	Elections	Hist	Upper Division		CORE	[Kine 103 Lifetime Wellness	
PSc 302	Public Opinion &		Asian**	3	CORE	[Kine 101 Physical Activity]	-
	Pressure Groups	Soc 110	Intro to Sociology	3	COME	[time to thinystem tentity]	17
PSc 311	American Presidency	Soc	Upper Division Elective	** 3			
PSc 312	Legislative Process	Geog 211	Regions and Nations	3	2nd Semeste	r	
	8	Geog	Upper Division Elective	3	CORE	[Econ 201 Prin of Econ-Macro	0] 3
State and	Local Government (3)	Econ 180	Amer Econ System	3	PSc	[Upper Division Elective	
PSc 320	State Government	Electives	Autre Leon System	3-4		approved by adviser]	3
PSc 341	Municipal Government		Certification Requiremen		Foreign Lang		3
PSc 342	Public Policy	(p. 149)	certification Requirement	40-41	CORE	[Soc 110 Intro to Sociology]	
PSc 421	Public Administration	(p. 143)		128	Electives		5
F3C 421	Fublic Administration	*Deguined	nolitical saisman histom				17
Intownstinu	D- :+: (2)		political science, history,		Junior Year		
	nal Politics (3)		economics courses satisfy		1st Semester		
PSc 321	International Relations		nts and 18 hours of Core C	urricu-	PSc	[Upper Division]	6
PSc 331	Comparative	lum.			CORE	[International Cultural Stu]	3
	Government: Europe	**See Prer	equisites		[Computer L	iteracy course selected with	
PSc 332	Comparative		and the second second		adviser's app	proval]	3
	Government: Latin America	Minor in	n Political Science		CORE	[Humanities and Fine Arts]	3
PSc 411	Political Theory						15
PSc 412	Contemporary Political	DC 400	Semester I				
	Thought	PSc 120	Gov't: U.S./State/Local	3	2nd Semeste		
		PSc	Electives*	18	PSc	[Upper Division]	9
Law (3)				21	Electives		8 17
PSc 310	Law, Society and the		hosen with approval of a p	olitical			17
	Judicial Process	science ad	viser.		Senior Year		
PSc 322	International Law				1st Semester		
PSc 431	Constitutional Law I				PSc	[Upper Division Electives]	9
PSc 432	Constitutional Law II				Electives	[Upper Division]	6
							15
Political S	cience Electives** 15	Sugg	ested Order of Stud	dv			
Electives	29-30	00		/	2nd Semeste		
	128***				PSc	[Upper Division Elective]	6
*Political	Science 120 satisfies major re-	Bachelor o	of Arts		Electives	[Upper Division]	10
	ts and 3 hours of Core Curriculum.	Major Cod	e 2207				16
	requisites		cience Major		* 1 100 monto	- C Cil	
	nclude at least 40 upper division		,			a Core Curriculum requireme : Recommendations]	ent.
	level) hours.	Freshman Y	ear		рераптеп	Recommendations	
(300 - 400	rever) flours.	1st Semeste			For addition	nal information contact:	
		Course		Hours	Dr. Donald		
n I I		Foreign Lan	guage	3		ebster Hall 232	
Bachelo	or of Science in	CORE	[Eng 101 Comp I]	3			
Educati	on with a Major	CORE	[Hist 110 U.S. 1492-1877]	3	Phone: 62.	5-9/95	
	al Studies	CORE	[Math 110 Intro to Col Mat	h] 3			
		CORE	[Comm 100 Oral Comm]	3			
	cience Emphasis	Psy 120	College Orientation	1			
	12 Certification			16			
Plan B	Single Teaching Field	2nd Semest	or .		Com	vea Dasswitting	10
	Semester Hours	Foreign Lan		3	Cou	rse Description	13
Core Dog		CORE	[Eng 102 Comp II]	3			
	uirements (p. 43) 51* 33 Science Requirements 15	CORE	[Hist 120 U.S. 1877-Presen		DC 400 /5		
PSc 120		OR			PSc 120 (F, S		hrs.
130 120	Gov't: U.S./State/Local 3	COPE	[Hist 220 LLC 1977 Proces	+1 2	Government	t: U.S., State & Local	

[Hist 320 U.S. 1877-Present] 3

3

[Bio 101 General Biology]

[Humanities and Fine Arts]

Designed to give students an understanding of their governments, enabling them to keep up with political developments with the goal of becoming informed citizens needed to sustain democracy. A Core Curriculum requirement for all bachelor's degrees and prerequisite for all political science courses. Successful completion of this course fulfills the Missouri state requirements in constitutional study.

Political Science, Preprofessional / 111

PSc 298 (Demand)

3 hrs. cr.

Topics in Political Science

Special political science topics of current interest to the student or faculty member who offers the class. Subjects and instructors change each semester. Students are encouraged to suggest possible course topics to the political science faculty.

PSc 300

3 hrs. cr.

Introduction to Political Science Methods

The nature, possibilities and limitations of political inquiry emphasizing research methods and tools. A valuable course for students who wish to engage in nonlibrary types of research projects.

PSc 301 (F, Even)

3 hrs. cr.

Political Parties and Elections

(Writing Intensive)

Analysis of the origins, structure and functions of political parties; the dynamics of the two-party system; the role of third parties and the election

PSc 302 (F, Odd)

3 hrs. cr. **Public Opinion and Pressure Groups**

(Writing Intensive)

Origins, impact and measurement of public opinion. Scope, nature and powers of interest groups in American society with special attention to their role in formulating public opinion and public policy.

PSc 310 (Demand)

3 hrs. cr.

Law, Society and the Judicial Process

(Writing Intensive)

American legal system viewed from a social and political as well as legal perspective. Focus on the structure and organization of courts, the processing of civil and criminal cases and the behavior of judges, lawyers and other participants in the judicial process.

PSc 311 (Summer)

3 hrs. cr.

American Presidency

Politics of presidential selection, the powers of the President, the organization of the executive branch and its relations with other organs of government.

PSc 312 (S, Even)

3 hrs. cr.

Legislative Process

Problems of representation, organization of the legislature, participation and proposals for improved organization. Emphasis on the Missouri General Assembly.

PSc 320 (S, Odd)

3 hrs. cr.

State Government

General structure, theories, operation and problems of state government with special emphasis on the government of Missouri.

PSc 321 (F, Even)

3 hrs. cr.

International Relations

Present-day relations and problems among the states of the world and the major factors which underline and influence these relations.

PSc 322 (S, Odd) International Law 3 hrs. cr.

Rules and principles accepted by the members of the community of nations as defining their rights and duties and the procedures employed in protecting their rights and performing their duties.

PSc 331 (F, Odd)

Comparative Government: Europe

An analysis of the governments of selected European countries emphasizing the development of their political systems both in theory and practice. Comparisons with American governmental insti-

PSc 332 (S, Even)

3 hrs. cr.

Comparative Government: Latin America

Governments and cultures of selected Latin American countries emphasizing the development of their political systems in both theory and practice.

PSc 341 (S, Even)

Municipal Government

Structure, legal status, functions and organization of city, town and village government in the United

PSc 342 (F, Even)

3 hrs. cr.

Public Policy

An introductory survey of the formulation, execution and evaluation of public policy in the United

PSc 411 (F, Odd)

3 hrs. cr.

Political Theory Selected

Western political philosophies from early recorded history through the present time.

PSc 412 (S, Even)

3 hrs. cr.

Contemporary Political Thought

Twentieth century political ideas.

PSc 421 (F, Odd)

3 hrs. cr.

Public Administration

Administrative aspects of government; surveys the major subfields of public administration, i.e., politics and administration, organizational theory, organizational behavior, management, decision making, personnel, public budgeting and finance, policy analysis and program evaluation and administrative law.

PSc 431 (F, Even)

3 hrs. cr.

Constitutional Law I

Political and legal aspects of Supreme Court decision making, the nature and scope of judicial review, the constitutional relationships between levels and branches of government and the First Amendment rights of freedom of expression.

PSc 432 (S, Odd)

Constitutional Law II

Legal issues concerning the Bill of Rights and the First Amendment areas of free exercise and establishment of religion, the right to privacy, the 14th amendment due process, and equal protection clauses.

PSc 496 (Demand)

Internship in Political Science

Observation of and participation in governmental work under the direct supervision of a faculty member and a professional who is employed in the governmental position being observed. No more than 3 hrs. may be counted toward a major or

PSc 497 (Demand)

8 hrs. cr.

Capital Internship

Observation of and participation in governmental work under the direct supervision of a faculty member and a professional who is employed in the governmental position being observed. The student will live and work in the capital from the opening of the legislative session until its conclusion or the last day of MSSC's spring semester.

PSc 498 (Demand)

3 hrs. cr.

Seminar in Political Science (Writing Intensive) Specialized knowledge and/or current research in the discipline. Topics will vary by situation and instructor. Students will prepare and critique papers based on original research. Prerequisite: 9 hrs. of upper division political science.

PSc 499 (F, S)

1-2-3-4 hrs. cr.

Independent Study

For students who wish to do an indepth study of some specialized topic or who wish to pursue a topic not considered in the department's course offerings. The student will select an adviser from the political science faculty who will structure the independent study in consultation with the student and with the approval of the department head. Prerequisite: Junior or senior status and an overall cumulative GPA of 3.0 or better. Enrollment must be approved by department head and school dean.

Preprofessional

Police Academy 101, 625-9328

Associate of Arts Degree

This curriculum is designated for Missouri Southern students to complete admission requirements for professional schools that will accept applicants who have completed approximately 60 hours. Also, students who are completing certification requirements for paramedic programs and desire a college degree may choose this degree program.

112 / Social Science, Sociology

Social Science

Webster Hall 245, 625-9564

Faculty Miller-Chair, Cebula, Geier, Gubera, Laas, Locher, Markman, St. Clair, Sale, Schmidt, Simpkins, Simpson, Sinha, Tannenbaum, Teverow, Yates, Youst

Within the social sciences are the disciplines of anthropology, geography, history, paralegal studies, political science and sociology.

Each discipline focuses on the study of some aspect or aspects of human societies: their history, government, social organization, laws, physical environment and/or cultural heritage. Students who major or minor in the social sciences prepare for a variety of graduate programs or careers, for example, in teaching, government, law, historic preservation, business, health and human services. Internships are especially helpful in establishing career objectives and obtaining practical knowledge. Social sciences students may apply for internships at the George Washington Carver National Monument, the Dorothea B. Hoover Historical Museum, as a social work minor, a paralegal studies minor, a political science minor, or a sociology major. Also, Missouri State Internships are available.

To satisfy the college-wide computer literacy requirements, the social science faculty suggests students complete Comp 105 Introduction to Microcomputer Use. Other computer literacy requirements apply to the bachelor of science with a major in sociology and to the bachelor of science in education with a major in social studies.

Minors are offered in each of the disciplines within the social sciences except anthropology. Two general social science minors are also available: a social science minor and a social studies for secondary education minor which qualifies students to teach in junior high and middle schools.

Minor in Social Science

	Semester Hour
Hist 110 U.S. History	3
Hist 120 U.S. History	
OR	
Hist 320 U.S. History	3
PSc 120 Gov't: U.S./S	State/Local 3

Geog	Elective	3
Soc or Anth	Elective (100 - 200 level)	3
Select three	(3) social science	
courses at th	ne 300 - 400 level	
(other than I	Hist 320)	9
		24

Fifteen hours of these requirements apply to the Core Curriculum.

Minor in Social Studies for Secondary Education

Certification for Grades 9-12

This minor meets social studies requirements for certifying secondary education majors to teach grades 9 through 12. Students electing this minor must have a social sciences faculty adviser.

Social Studies

	Semester	r Hour
Hist 110	U.S. History	3
Hist 120	U.S. History	
OR		
Hist 320	U.S. History	3
Elective in	American History	3
PSc 120	Gov't: U.S./State/Local	3
Hist 130	Western Civilization	3
Hist 140	Western Civilization	3
Econ 180	Amer Econ System	3
Geog 211	Regions and Nations	3
		2

Programs and Degree Offerings

See Geography (p. 88); History, (p. 89); Paralegal Studies, (p. 105); Political Science, (p. 109); and Sociology, (p. 112) for specific degree requirements, minors, A.A. paralegal program and suggested orders of study.

Sociology

Webster Hall 245, 625-9564

Faculty Miller - Chair, Geier, Gubera, Locher, Simpkins

A bachelor's degree with a major in sociology prepares the student for a variety of occupations and graduate programs. Selecting from three bachelor's degree programs including a bachelor of science in education, the student may choose to pursue many careers, for example, those in human and

social services, public safety occupations or teaching. Advanced graduate or professional school training could also be a choice for the student who successfully completes one of the bachelor degree programs. A sociology minor with an emphasis in social work is offered with classes focusing on human and social services. In addition, a sociology minor provides students majoring in other areas with special interpersonal, group and organizational knowledge and skills.

See page 112 for a minor in social sciences or the social studies in secondary education minor.

Sociology 110 is a prerequisite to many upper division courses in sociology.

Certain sociology courses may be used to satisfy Core Curriculum requirements. Sociology 110 is an elective for the requirement in Area 3C, Natural and Behavioral Sciences; Anth 155, 342 or Soc 304 meet the requirement in Area 5, International Cultural Studies.

Bachelor of Arts with a Major in Sociology

	Semest	er Ho	ours		
Core Requ	Core Requirements (p. 43) 51* 48				
Foreign La	anguage (four courses in				
	one language)		12		
Sociology	Requirements		30		
Soc 110	Intro to Sociology	3			
Soc 210	Social Problems**	3			
Soc 300	Computer App in Soc So	ci 3			
Soc 311	Social Stratification**	3			
Soc 431	Sociological Research				
	Methods**	3			
Soc 482	Sociological Theory**	3			
Soc	Electives (6 hrs. must be				
	upper division)	12			
Supportin	g Requirements		9		
Psy 320	Applied Statistics	3			
Geo	Elective	3			
Comp 105	Intro to Micro Use	3			
Supportin	Supporting Area (approved by sociology				
	adviser)***		15		
Electives			14		
		128*	***		

*Required sociology course Soc 110 satisfies three hours of Core Curriculum requirements.
**See Prerequisites

***A minor is highly recommended.

****Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Science with a	Hist	Upper Division Asian Elective**	3	Sugg	ested Order
Major in Sociology	Geog 21	1 Regions and Nations	3		
Semester Hours	Geog	Upper Division Electiv	e 3	D 1 1	
Core Requirements (p. 43) 51* 48	PSc 120	Gov't; U.S./State/Local	3	Bachelor o	
Sociology Requirements 36	PSc	Upper Division Electiv	e** 3	Major Code	
Soc 110 Intro to Sociology 3		Amer Econ System	3	Sociology N	wajor
Soc 300 Computer App in		n Certification Requirem	ents	Freshman Ye	aar
Social Science** 3	(p. 149)		40-41	1st Semester	
Soc 311 Social Stratification** 3			130-131	Course	
Soc 361 Study of Population** 3	***			Soc 110	Intro to Sociolog
Soc 362 Deviant Behavior** 3		d courses in history, po		CORE	[Eng 101 Comp I
Soc 431 Social Research		iology and economics sat		CORE	[Hist 110 U.S. 14 [Humanities and
Methods** 3	lum.	ents and 18 hours of Core	e Curricu-	Foreign Lang	
Soc 482 Sociological Theory** 3		requisites		Psy 120	College Orientati
Soc Electives (9 hours must be	366116	requisites			
upper division) 15 Supporting Requirements 9					
Comp 105 Intro to Micro Use 3	Minor	in Sociology		2nd Semeste Foreign Lang	
Psy 320 App Stat for Behavioral	Millor	in sociology		CORE	[Eng 102 Comp I
& Natural Sciences** 3		Semes	ter Hours	CORE	[PSc 120 Gov't: I
Geog Elective 3	Soc 110	Intro to Sociology	3	CORE	[Econ 180 Amer
Electives 35	Soc	Electives*	6	CORE	[Bio 101 Genera
128***	Soc	Electives - Upper			
		Division*	12	Sophomore '	Voar
*Required Sociology course 110 satisfies			21	1st Semester	
three hours of Core Curriculum require-	***			Soc 210	Social Problems*
ments.		ith prior approval of a		Foreign Lang	
**See Prerequisites	adviser. S	ee prerequisites where a	орисавіе.	CORE	[Humanities and
***Must include at least 40 upper division				CORE	[Math 110 Intro t
(300 - 400 level) hours.	Minor	in Sociology with		CORE	[COMMITTOO CITAL
AND THE STREET OF THE STREET OF THE STREET					
D. I. I. of C. i	Empna	sis in Social Work		2nd Semeste	
Bachelor of Science in		Semes	ter Hours	Soc Foreign Lang	Elective
Education with a Major	Soc 110	Intro to Sociology	3	Foreign Lang CORE	[Phys 100 Fund o
in Social Studies	Soc 221	Marriage and Family	3	CORE	[Hist 120 U.S. Hi
Sociology Emphasis	Soc 210	Social Problems*	3		1877-Present]
Grades 9-12 Certification	Soc 306	Sociology of Aging*	3	OR	de la compa
Plan B Single Teaching Field	Soc 331	Intro to Social Work *	3	CORE	[Hist 320 U.S. Hi
	Soc 332	Soc Work Practice**	3		1877-Present]
Semester Hours	Soc 496	Internship**	3		
Core Requirements (p. 43) 51*			21	Junior Year	
Sociology Requirements 21 Soc 110 Intro to Sociology 3	*See Prer			1st Semester	
Soc 221 Marriage and Family 3		ion dependent on depart	mental	Soc 311	Social Stratification
Soc 210 Social Problems**	committe	e approval.		Comp 105 CORE	Intro to Micro Us
Anth 342 Comparative Cultures** 3				Psy 320	[English Lit] App Stat**
Soc Electives (6 hours				CORE	[Kine 101 Physic
upper division)**				CORE	[Kine 103 Lifetim
Supporting Requirements 36					
Hist 110 U.S. History 1492-1877 3				2	
Hist 120 U.S. History 1877-Present				2nd Semeste	r krea [A minor is su
OR				Soc 300	Comp App in Soc
Hist 320 U.S. History 1877-Present 3				Geog	Elective**
Hist 130 Western Civilization				Electives	
To 1660 3					
Hist 140 Western Civilization					
From 1660 3					
Hist Upper Division					
U.S. Electives** (not 320) 6					

r of Study

Freshman '	Year	
1st Semeste	er	
Course		Hours
Soc 110	Intro to Sociology*	3
CORE	[Eng 101 Comp I]	3
CORE	[Hist 110 U.S. 1492-1877]	3
CORE	[Humanities and Fine Arts]	3
Foreign Lar	nguage	3
Psy 120	College Orientation	1
		16
2nd Semes	ter	
Foreign Lar	aguage	3

2nd Semeste	r	
Foreign Lang	guage	3
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc] 3
CORE	[Econ 180 Amer Econ Sys]	3
CORE	[Bio 101 General Biology]	4
		16

Sophomore Y	/ear	
1st Semester		
Soc 210	Social Problems**	3
Foreign Langu	uage	3
CORE	[Humanities and Fine Arts]	3
CORE	[Math 110 Intro to Col Math]	3
CORE	[Comm 100 Oral Comm]	3
	1	15

2nd Semester		
Soc	Elective	3
Foreign Lang	uage	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Hist 120 U.S. History	
	1877-Present]	
OR		
CORE	[Hist 320 U.S. History	
	1877-Present]	3
		14
Junior Year		
4 . 6		

janioi i cai		
1st Semester		
Soc 311	Social Stratification**	3
Comp 105	Intro to Micro Use	3
CORE	[English Lit]	3
Psy 320	App Stat**	3
CORE	[Kine 101 Physical Activity]	1
CORE	[Kine 103 Lifetime Wellness]	2
		15

2nd Semes	ster	
Supporting	g Area [A minor is suggested]	-
Soc 300	Comp App in Soc Sci**	3
Geog	Elective**	3
Electives		
		16

pology

44410 44 4 -	*
114 / Sociology, Ant	bro
Senior Year	
1st Semester	
Soc 431 Sociological Res Methods*	* 3
Soc [Upper Division Elective]	3
Supporting Area [A minor is suggested]	4
Soc Electives	3
Elective	3
	16
2nd Semester	
Soc 482 Sociolgical Theory**	3
Supporting Area [A minor is suggested]	6
Electives	7
	16
*Also meets a Core Curriculum requirem	ent
**Prerequisites	
[Department Recommendations]	
The student is to select a supporting area in tation with a sociology adviser.	consu
Bachelor of Science	
Major Code 2220	
Sociology Major	
Freshman Year	
1st Semester	
Course	Hours

Major	Code	2220
Sociole	ogy N	1ajor

Freshman Ye	ar	
1st Semester		
Course		Hour
Soc 110	Intro to Sociology*	3
CORE	[Eng 101 Comp I]	3
CORE	[Hist 110 U.S. 1492-1877]	3
CORE	[Econ 180 Amer Econ Sys]	3
Elective		3
Psy 120	College Orientation	1
		16
2nd Semester		
Comp 105	Intro to Micro Use	3
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Lo	oc] 3
CORE	[Comm 100 Oral Comm]	3
CORE	[Phys 100 Fund of Phys Sci] 5

Sophomore 1st Semester		
Soc Elective	e with approval of adviser	3
CORE	[Math 110 College Math]	3
CORE	[English Lit]	3
Geog	Elective	3
CORE	[Bio 101 General Biology]	4
		16
2nd Semeste	er	
Soc	Elective	3
CORE	[Humanities and Fine Arts]	3
Elective		3
CORE	[Kine 103 Lifetime Wellness]	2
Elective	[A minor is suggested]	6

17

Junior Year		
1st Semester		
Soc 311	Social Stratification**	3
CORE	[Psy 320 App Stat]	3
Comp 105	Intro to Micro Use	3
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 120 U.S. 1877-Present]	
OR		
CORE	[Hist 320 U.S. 1877-Present]	3
CORE	[Kine 101 Physical Activity]	1
		16
2nd Semeste	r	
Soc 362	Deviant Behavior**	3
Soc 361	Study of Population	3
Electives	[A minor is suggested]	7
Soc 300	Comp App in Soc Sci**	3
		16

Senior Year

ist semester		
Soc 431	Soc Research Methods**	3
Soc	Electives	6
Elective	[A minor is suggested]	6
		15
2nd Semester	r	
Soc 482	Sociological Theory**	3
Soc	Elective	3
Electives	[A minor is suggested]	9

*Also meets a Core Curriculum requirement.

**Prerequisites

[Department Recommendations]

The student is to select a minor in consultation with a sociology adviser.

For additional information contact:

Dr. Conrad Gubera

Office: Webster Hall 228

Phone: 625-9653

Course Descriptions

Anthropology

Anth 155 (F) 3 hrs. cr.

Physical Anthropology and Archaeology

Physical and cultural anthropology with particular emphasis on the linkage of human prehistory to the development of culture and the human capacity for society. Can be used to satisfy the Core Curriculum requirement in Area 5.

Anth 298 (Demand) 3 hrs. cr.

Topics in Anthropology

Special Anthropology topics of current interest. Subjects and instructors may vary each semester. Students are encourage to submit areas of interest to the social science department.

Anth 342 (S) 3 hrs. cr.

Comparative Cultures

A comparative study of human society and culture, focusing on theories of culture and cultural institutions as they relate to contemporary preindustrial peoples. An ethnographic examination of representative groups is provided for purposes of crosscultural comparison. Can be used to satisfy the Core Curriculum requirement in Area 5. Prerequisite: Soc 110 or Anth 155 or consent of instructor.

Anth 345 (Demand) 3 hrs. cr.

North American Archaeology

The study of the Physical and cultural anthropology of pre-historic North American with special emphasis on the cultural lifeways of pre-historic humans using archaeological evidence and interpretation.

3 hrs. cr. Anth 498 (Demand)

Seminar in Anthropology

Specialized knowledge and/or current research in the discipline. Topics will vary by situation and instructor. Students will prepare and critique papers based on original research.

Anth 499 (Demand) 3 hrs. cr.

Independent Study

15

Stuctured by the adviser with approval of the department chair and school dean.

Sociology

3 hrs. cr. Soc 110 (F, S)

Introduction to Sociology

A systematic study of society. Emphasis on major concepts of sociology and the scientific point of view in dealing with social phenomena. Satisfies a Core Curriculum requirement.

Soc 210 (F, S) 3 hrs. cr.

Contemporary Social Problems

A survey of contemporary social problems including racism, sexism, crime and deviance, drug use, and mental disorders. The course encourages a critical examination of society and focuses on the structural sources of social problems such as class, race, and gender. The role of the U.S. in global social problems is also explored. Prerequisite: Soc 110.

Soc 221 (F) 3 hrs. cr.

Marriage and Family

Paired relationships, marriage as the genesis of family life, elements in the preparation for marriage and parenthood and the development of family relationships throughout the life cycle.

Soc 291 (F)

3 hrs. cr.

The Sociology of Death and Dying

A review of the international religious, secular and scientific expressions regarding death. Historical and current issues pertaining to death are explored and a critical perspective is taken on all positions. The course incorporates both philosophical and pragmatic overviews of death and dying.

Soc 298 (Demand)

3 hrs. cr.

Topics in Sociology

Special sociology topics of current interest. Subjects and instructors may vary each semester. Students are encouraged to submit areas of interest to the social science department.

Soc 300 (F,S)

3 hrs. cr.

Computer Applications in the Social Sciences

An analysis of computers and their applications in the social sciences. Focus on preexisting software designed for use by social science disciplines. Emphasis on data entry, analysis and interpretation of printouts. Prerequisite: Comp 105 and Psy 320. Advised to be taken with Soc 432.

Soc 301 (F)

3 hrs. cr.

Sociology of Religion

Religion as a major social institution. Compares religions regarding behavioral content. Major attention is given to the nature of religion, organized religion and how religion is integrated into society. Limited attention given to the behavioral expectations associated with the major religions of the world. Prerequisite: Soc 110.

Soc 303 (S)

3 hrs. cr.

The Arab World

A social science view of the Arab world which identifies peoples, countries, geographical settings, cultural differences, cultural change, political and religious affiliations, and the emergence of contemporary issues. Special emphasis will be placed upon the Israel - Palestine - Jordan problem area. Can be used to satisfy the Core Curriculum in Area 5.

Soc 306 (S)

3 hrs. cr.

Sociology of Aging

A review of aging studies with particular emphasis on needs, problems, areas of concern, aging theories, social services for the elderly and accumulated data from gerontological research. Such topics as life changes, retirement and alternative life styles among the elderly will be analyzed. Prerequisite: Soc 110.

Soc 311 (F)

3 hrs. cr

Social Stratification (Writing Intensive)
Examination of differences in power, privilege and prestige. Analysis of the nature and input of social inequality on people's lives within the United States and an overview of the complex array of social structures which comprise international systems of inequality. Theoretical explanation for the

variations in social class usually incorporated in course requirements. Prerequisite: Soc 110.

Soc 312 (S)

3 hrs. cr

Juvenile Delinquency

Analysis of environment and social background for juvenile delinquency behaviors. Investigation of behavioral content and scope of official delinquency. Review of the influences of family, school, peer groups and gangs, and the juvenile justice and corrections system. Prerequisite: Soc 110.

Soc 322 (S)

3 hrs. cr.

Sociology of Work and Leisure

Analysis of work, occupations, career mobility and job satisfaction as important elements in society. Examination of leisure activities which alter with technological advances and the changing economic base. Prerequisite: Soc 110.

Soc 331 (F)

3 hrs. ci

Introduction to Social Work

Philosophical and historical development of social work as a professional career. Focuses on role of the social worker within the various practice settings. Will entail field trips and guest speakers. Prerequisite: Soc 110.

Soc 332 (S)

3 hrs. cr.

Social Work Practice

Emphasizes the development of skills needed to initiate, enhance, or restore relationships between clients and society. Focuses on techniques and case management, analysis of cases and practical experience in a social agency or community program providing human services. Admission dependent on departmental committee approval. Prerequisite: Soc 331 and junior standing.

Soc 351 (F)

3 hrs. cr.

Criminology

Social and legal concept of crime. Review of measurements and data of crime(s) and the theories related to the cause of criminal behaviors. Discussion of profiles of different adult offenders and their behavioral characteristics relative to the major felonies committed in contemporary society. Prerequisite: Soc 110.

Soc 354 (S)

3 hrs. cr.

Sociology of Health and Illness

Social causes and consequences of health and illness. The expanding role of health-related organizations, the training of health care personnel, and the contemporary consumer's movement, are also explored. A cross-cultural comparison of health care delivery systems and a review of various social problems associated with health care in the U.S. is provided. Prerequisite: Soc 110.

Soc 361 (F)

3 hrs. cr.

The Study of Populations

Changes in human population through an analysis of birth rates, death rates and migrations. Social demographic analysis of census and independent research data. Various population theories are applied to national and world situations. Concepts of over-population, minority groups and aging are analyzed. Prerequisite: Soc 110.

Soc 362 (S)

3 hrs. cr.

Deviant Behavior

Theoretical explanations of socially disapproved behavior from the sociological perspective and the application of these concepts to specific forms of deviance. Analysis of the social nature of conforming behavior as a way of increasing understanding of deviant behavior. Prerequisite: Soc 110 and Soc 210 (or) consent of instructor.

Soc 382 (S)

3 hrs. cr.

Minority Groups and Race Relations

A study of racial and cultural groups particularly focusing on the United States with some analysis of international ethnic relations. Analyzes several general theories and explanations for minority-dominant relations. Includes a study of legislation affecting minorities in the U.S. Prerequisite: Soc 110.

Soc 391 (F)

3 hrs. cr.

Penology and Corrections

Philosophy, history and operations of penitentiary systems with special attention given to changes in adult institutions. Explanation of the problems associated with prison populations and types of facilities along with sentences, therapeutic models and community treatment. Prerequisite: Soc 110.

Soc 402 (S)

3 hrs. cr.

The Community - Rural and Urban

(Writing Intensive)

Social processes of human groups who share common unities of territory and cultural bonds. Major attention on gemeinschaft-gesellschaft theories as they pertain to national, rural, urban, ethnic and subcultural communities, and how these intertwine in contemporary societies. Prerequisite: Soc 110.

Soc 406

3 hrs. cr.

Sociology of Child Abuse

An analysis of child abuse and neglect as it has developed within the United States. The dynamics of the family environment as well as the victim-perpetrator relationship will be examined. Emphasis will be placed on societal reaction to both abuser and the abused in addition to the behavior itself. Potential treatment alternatives will be analyzed. Prerequisite: 12 hrs. of sociology.

Soc 431 (F)

3 hrs. cr.

Sociological Research Methods

(Writing Intensive)

Methods of problem and hypotheses formulation and data collection, including interviewing and instrumentation. Focus on the analysis of research findings and ethical procedures. Emphasizes survey designs employed in sociological inquiry. Prerequisite: 12 hrs. of sociology.

Soc 482 (S)

3 hrs. cr.

Sociological Theory

Classical and contemporary theory placed in historical perspective. An analysis and interpretation of social groups, social organizations and social systems through the study of social thought from Auguste Comte to theorists in the modern period. Prerequisite: 9 hrs. of sociology.

116 / Sociology, Theatre

Soc 496 (Demand)

1-8 hrs. cr.

Internship in Sociology

Observation of and participation in various social service agencies in the community. All internships must conform with institutional policy regarding the number of hours per credit and contractual agreements with cooperating agency personnel. No more than three hours may be counted toward a major or minor. Prerequisites: 15 hrs. of sociology, junior standing or above and approval of a departmental committee.

Soc 498 (Demand)

3 hrs. cr.

Seminar in Sociology

For upper division sociology majors. Topics covered and methods used will place emphasis on student-instructor interest, desire to pursue indepth research and ability to assimilate topics. It will include areas not already treated in other sociology courses. Prerequisite: 15 hrs. of sociology or consent of instructor.

Soc 499 (Demand)

1-2-3 hrs. cr.

Independent Study

Structured by the adviser with the approval of the department head and school dean. Prerequisite: Advanced standing in the major field with a GPA of 3.0. Enrollment in the course must be approved by department head and dean.

Theatre

Taylor Auditorium 243, 625-9393

Faculty Fields - Head, Claussen, D. Hunt, laros

Specialized theatre training provides students with a broad academic background that can lead to a number of careers. Graduates of the Missouri Southern theatre department are currently employed in fields such as:

Theatre Performance/Design
Television Production/Performance
Commercials
Public Relations
Stage Management
Graduate Study
Executive Leadership
Recreational Directorship
Technical Theatre
Personnel Management
Government Service
Fashion Industry
TV Anchor
Business
Computer Technology

Secondary Education
Film Cartoon Director
Ministry
Magician
Theme Park Performance/Production

Factors Unique to Theatre Department:

- hands-on experience for students in acting, house and stage management, directing and technical design-execution:
- a children's theatre play program performing for more than 12,000 people annually from the four state area;
- 3. play participation open to all Southern students, faculty and staff;
- theatre faculty members who have professional experience in their teaching specialties;
- a modern, well-equipped mainstage theatre as well as flexible space for studio productions;
- two theatre organizations: Backstage and Alpha Psi Omega, a national honorary fraternity.

The theatre department offers a bachelor of arts degree with a major in theatre and a bachelor of science in education degree with a major in theatre/speech (plan B). A minor in theatre is also available. During their senior year, all majors must take a final exam covering all areas of the theatre and present a creative exiting project in addition to participating in the college general assessment program.

To satisfy the college-wide computer literacy requirement, theatre majors earning a B.A. should complete Comp 105 or above. Those earning a B.S.E. must take Educ 301.

It is recommended that students pursuing a degree in theatre meet with their faculty adviser at least twice each semester, once in addition to planning their next semester's schedule. More detailed information is available in the theatre office, 243 Taylor Performing Arts Center.

Core Curriculum requirement in Area 2 Humanities and Fine Arts is fulfilled by Th 110 (Theatre Appreciation).

Bachelor of Arts with a Major in Theatre

Semester Hours

Core Requi	rements (p. 43) 51*	42	
Computer Literacy Requirement			
Comp 105	or above	3	
Foreign Language (four courses in			
one languag	ge)	12	
Theatre Red	quirements	46	
Th 121,122	,221,222 Theatre Labora	tory	
(Select two)		4	
Th 142	Theatre Technology	3	
Th 231	Speech for Stage	3	
Th 232	Costume Technology	3	
Th 233	Stage Makeup	3	
Th 234	Introduction to		
	Theatrical Design	3	
Th 241	Acting I (WI)	3	
Th 331	History of Theatre (WI)	3	
Th 332	History of Theatre (WI)	3	
Th 341	Acting II**	3	
Th 351	Directing I**	3	
Th 362	Stage Costume Design**	3	
Th 320	Lighting Design**		
OR			
Th 361	History of Costume**		
OR			
Th 372	Directing II**	3	
Th 422	Acting III**		
OR			
Th 431	Creative Dramatics	3	
Th 441	Stage Design**	3	
Supporting	Requirements	9	
Art 110	Art Appreciation	3	
Mus 110	Music Appreciation	3	
Hist 130	OR 140 Western Civ.	3	
Electives		16	
		128***	

*In addition to meeting major requirements, Art 110 and Music 110 satisfy the Core Curriculum requirements in Areas 2A and 2C and Hist 130 or 140 satisfies the requirements in Area 5A.

**See Prerequisites

***Three Writing Intensive (WI) courses in addition to English composition must be included. Two of these must be upper division courses and one of the two must be in theatre.

A total of 40 upper division hours (300-400) are required, 24 specified in theatre and 16 electives in these areas. One upper division course must be selected from Area 4 or 5 of the Core Curriculum.

Theatre / 117

Bachel	or of Science in		Th 231	Speech for Stage	3	Sophomore		
Educat	ion with a Major in		Th 251	Audition Techniques		1st Semester		2
				for the Actor	1	Th 341 Th 221	Acting II* Theatre Lab	3 2
	e/Speech		Th 232	Costume Technology	3	Th 251	Aud. Techniques for Actor	1
Comm	unications		Th 242	Theatre Movement	1	Comp 105	or above Computer	,
Grades	9-12 Certification		Th 311	Stage Management**	3		Literacy Requirement	3
			Th 241	Acting I (WI)	3	CORE	Art Appreciation	3
Plan B	Single Teaching F	ield	Th 243	Musical Theatre	3	CORE	[Literature Choice]	3
		77.24	Th 298	Explorations in		CORE	[Hist 110 U.S. 1492-1877]	3
	Semester	Hours		Theatre (when offered)	3			18
Core Req	uirements (p. 43) 51*	48	Th 320	Stage Lighting**	3	2 16		
Compute	r Literacy Requirements -		Th 331	Theatre History (WI)	3	2nd Semeste Th 422		
Educ 301		3	Th 332	Theatre History (WI)	3	OR	Acting III*#	
Theatre F	Requirements	20	Th 333	Eastern Theatre Traditio	n 3	Th 431	Creative Dramatics	3
Th 121 o	r 122 or 22 <mark>1</mark> or 222 Theatre		Th 341	Acting II**	3	Th 234	Intro to Theatrical Design	3
	Laboratory	2	Th 351	Directing I**	3	Th 320	Lighting Design *#	3
Th 142	Theatre Tech	3	Th 361	History of Costume**	3	CORE	Music Appreciation	3
Th 212	Oral Interpretation	3	Th 362	Stage Costume Design*	* 3	CORE	[Psy 100 or Soc 110]	3
Th 234	Introduction to		Th 372	Directing II**	3	CORE	[Comm 100 Oral Comm]	3
	Theatrical Design	3	Th 422	Acting III**	3			18
Th 241	Acting I (WI)	3	Th 435	Theatre Internship	1-3	Junior Year		
Th 331	History of Theatre (WI)		Th 441	Stage Design**	3	1st Semester		
OR		Laser.			18	Th 441	Stage Design*	3
Th 332	History of Theatre (WI)	3				Th 232	Costume Technology	3
Th 351	Directing I**	3	*All cours	ses must be selected with a	adviser	Th 331	History of the Theatre	3
	ication Requirements	12		Six hours must be upper		CORE	[Bio 101 General Biology]	4
	1 Intro to Human Comm	3	division.			Foreign Lang	guage	3
	15 Interpersonal Comm**	3	**See Pre	requisites				16
	04 Small Group Comm	3				2-16		
	15 Argumentation and					2nd Semeste Th 362	Stage Costume Design*	3
	Debate**	3				Th 332	History of the Theatre	3
Speech C	communication Electives***	8				CORE	[Hist 120 U.S. 1877-Pres]	3
	n Certification Requirement		Sug	gested Order of Stud	dv	Foreign Lang		3
(p. 149)		38-39	348	gesteu Gruer or Stur		CORE	[Hist 140 West Civ]	3
Electives		3						15
	13	1-132	Bachelor	of Arts		c		
		1399	Major Co	de 1007		Senior Year 1st Semester		
Required	d course in psychology cou	ints 3	Theatre A			Th 361	History of Costume#	3
	ard Core Curriculum requirer					Th 351	Directing I**	3
Area 3C.	conditioned to the said of the	33.5	Freshman	Year		CORE	[Phys 100 Physical Science] 5
**See Pre	erequisites	iel-	1st Semest	er		Foreign Lang	guage	3
	be approved in advance b	v the	Course	H	ours			14
	adviser who must be selected		Th 121	Theatre Lab	2			
	area of speech communicat		Th 231	Speech For Stage	3	2nd Semeste		2
	Students pursuing the BSE d		Th 233	Stage Makeup	3	Th 372	Directing II*#	3
	eive no lower grade than a "C"		CORE CORE	[Eng 101 Comp I] [Kine 103 Lifetime Wellnes		Foreign Lang	[Econ 180 Amer Econ Sys]	3
	theatre/communication cou		Psy 120	College Orientation	1	CORE	[PSc 120 Gov't:U.S./Sta/Loc	
	TO MAKE AND ME AND MAKE AND MA		13, 120	conege orientation	14	Elective	Th or Eng	3
								15
Minor	in Theatre		2nd Semes	ter				
Willion		Jours	Th 142	Theatre Tech	3		t Recommendations]	
Th 101 1	Semester F	Tours	Th 241	Acting I	3	*See prerequ		
	22, 221, 222 Theatre	1	CORE	[Eng 102 Comp II]	3		ostituted for approved class in	tecn or
	ry (Select two)	4 3	CORE CORE	[Kine 101 Physical Activity [Math 110 or above]	y] 1 3	acting area		
	heatre Appreciation	3	Th 212	Oral Interpretation	3	Supporting E	Electives:	
	total of 11 hours from the		111 212	Star interpretation	16		Art, Business, Communication	ons,
	list of classes:	11*				0.	sic,Computer Science	
Th 141	Improvisational Acting	3						
Th 142	Theatre Technology	3						
		3		390				
Th 212	Oral Interpretation			1				
Th 233	Stage Makeup	3		1				
	Stage Makeup Introduction to	3		,				
Th 233	Stage Makeup							

118 / Theatre

For additional information contact: Dr. lav Fields Office: Taylor Performing Arts Center 243 Phone: 625-9393 **Bachelor of Science in Education** Major Code 0844 **Speech and Theatre Grades 9-12 Certification Theatre Emphasis** Plan B **Single Teaching Field** Freshman Year 1st Semester Courses Orientation to Education I Educ 100 General Psychology Psy 100 Th 121 Theatre Lab CORE [Eng 101 Comp I] College Orientation Psy 120 CORE [Comm 100 Oral Comm] CORE [Kine 101 Physical Activity] Elective 17 2nd Semester Th 142 Theatre Tech Th 212 Oral Interpretation Th 241 Acting I CORE [Eng 102 Comp II] CORE [Kine 103 Lifetime Wellness] 2 CORE [Math 110 or above] 17 Sophomore Year 1st Semester Take C-Base test. Educ 200 Orientation to Education II Comm 101 Intro to Human Comm CORE [Hist 120 U.S. 1877-Pres] 3 CORE [Area 2-A Elective] 3 CORE [Area 2-C Elective] 3 CORE [Econ 180 Amer Econ Sys] 2nd Semester Apply for admission to teacher education. Educ/Psy 302 The Exceptional Child Educ 301 Computer Software CORE [Hist 110 U.S.1492-1877] Comm 215 Interpersonal Comm 3 Th 234 Intro to Theatrical Design 3 Psy 301 Adolescent Psychology 3 20 **Junior Year** Pass media competencies. 1st Semester Th 331 History of Theatre 3 Psy 310 **Educational Psychology** 2 Educ 329 Ped Theo, Meth & Prac 4

Educ 321

Educ 423

Comm 304

Microteaching

Note: See Educ 420 below**

Classroom Management

Small Group Comm

2

2

3

16

2nd Semest	er	
Educ 422	Tchng Rdng in the Sec Sch	2
Comm	Electives*	4
CORE	[Phys 100 Physical Science]	5
CORE	[PSc 120 Gov't: U.S./ Sta/Loc]	3
CORE	[Area 2-B Elective]	3
	1	7

Senior Year

1st Semester

Apply for student teaching. All course work must be completed except for Professional Semester courses.

Th 351	Directing I*	3
Comm 315	Argumentation & Debate	3
CORE	[Bio 101 General Biology]	4
CORE	[Area 5-A Elective]	3
Comm	Electives*	3
		16

2nd Semeste	r	
Educ 344	Tchng Spe & Th in Sec Sch	2
Educ 402	Foundations in Educ	2
Educ 432	Critical Issues	2
Educ 412	Indiv Curr Development (2)	
OR		
Educ 420	Intro to Counseling**	3
OR		
Psy 412	Meas & Eval (2)	2
Educ 462	Stu Tchng in Sec Sch	8

[Department Recommendations]

*See prerequisites

**Offered at night only. Must be taken the semester prior to student teaching. Can substitute Educ 412 or Psy 412 for Educ 420.

16-17

For additional information contact: Dr. Jay E. Fields

Office: Taylor Performing Arts Center 243

Phone: 625-9393

Course Descriptions

Th 101,102,201,202,301,302,401,402 (F, S, S) 1 hr. cr.

Theatre Performance

The performance of a role, service as a designer or stage manager which has met departmental standards on a major production. A student may accumulate up to 8 hours of credit. Credit is applied for after production closes. Credit applies only to accumulative graduation hours.

Th 110 (F, S, S) 3 hrs. cr.

Theatre Appreciation

Introduction to the what, why, how and who of theatre. Sessions deal with dramatic form, style and structure; the contributions of various theatre artists; and interpretation and evaluation of plays through scripts and live and taped performances. Provides knowledge and experience for personal enjoyment and evaluation of theatre art. Satisfies 3 semester hours of Core Curriculum requirement in humanities and fine arts, Area 2A or 2C.

Th 121,122,221,222,321,322 (F, S) 2 hrs. cr. **Theatre Laboratory**

A laboratory devoted to mounting the theatre's season. Meets two hrs. in sequence twice a week.

Th 141 (Demand) 3 hrs. cr.

Improvisational Acting

Development of individual's ability to express motivation, objective, thought, action and dialogue improvisationally. Daily discussions and improvisational exercises which lead to more believable stage performance.

Th 142 (S, Even) 3 hrs. cr.

Theatre Technology

Hardware and tool usage and technical drawing as applied to theatre. The use of electricity, sound and electronics in the theatre. Stage rigging.

Th 212 (S, Even) 3 hrs. cr. **Oral Interpretation**

Principles and techniques for the public presentation of oral reading. Selection, analysis and preparation of different types of literature with

tation of oral reading. Selection, analysis and preparation of different types of literature with emphasis on platform presentation of prose, poetry, drama and Readers Theatre.

Th 231 (F, Odd) 3 hrs. cr. **Speech for Stage**

Exercises and drills to improve projection, quality, flexibility and effectiveness of the speaking voice leading to good usage in Standard American speech, based on the International Phonetic Alphabet.

Th 232 (F, Odd) 3 hrs. cr.

Costume Technology

Basic techniques for construction of stage costumes from a designer's sketch. Areas covered are: fabrics, pattern development, cutting, sewing, dyeing and crafts. No previous skills required. Two hours lecture, 2-hrs. lab per week.

Th 233 (F, Odd) 3 hrs. cr. **Stage Makeup**

Examination of the usages of stage makeup techniques in design and application. Detailed categories of professional makeup materials, usage techniques, sources and costs of material, and demonstrations of various methods of design and application. Each unit of lecture and demonstration will be accompanied by student individual and group study with projects presented in class for critical review. Students must provide individual makeup supplies.

Th 234 (S, Odd)

3 hrs. cr.

Introduction to Theatrical Design

Theoretical information which is common to all theatrical design courses. Emphasis is on developing creativity, script analysis, techniques of scenography, and collaboration, as well as the application of basic elements and principles of design in relation to the theatre.

Th 241 (S, Even)

3 hrs. cr.

Acting I (Writing Intensive)
Development of individual's ability to express
thought and emotion through effective use of the
voice and body. Character analysis and creation
revealed in exercises and scene work.

Th 242 (S, Even)

1 hr. cr.

Theatre Movement I

Historical development and implementation of theatrical movement. Exercises and assignments focus on the enhancement of nonverbal character interpretation through individual study and inclass application of movement, gestures and postures, including an assimilation of cultural influences, pantomime, masque and improvisation. Two 1 hr. labs per week.

Th 243 (F, Odd)

3 hrs. cr.

Musical Theatre

History, production and performance of musical theatre. Academic concentration on scenes from musicals with emphasis on acting, music, and dance techniques needed for musical productions, and focus upon representative musicals from the past fifty years and more specifically on the particular musical selected for production the spring semester of that school year. Course also offered under Mus 243.

Th 251 (F, Even)

1 hr. cr.

Audition Techniques For The Actor

Techniques of auditioning and interviewing in the theatre: selecting audition pieces, rehearsing and performing auditions. Instruction in preparing resumes and photographs for professions.

Th 298 (Demand)

3 hrs. cr.

Exploration in Theatre

Concentrated study on a variety of selected theatre topics. Each offering on a different subject. May be repeated, but same topic only once.

Th 311 (F, Even)

3 hrs. cr.

Stage Management

Fundamentals of stage management. Organization of call board, rehearsals and performances. Communication procedures between actors, director and designers. Calling the show. Prerequisite: Th 142.

Th 320 (S, Odd)

3 hrs. cr.

Stage Lighting

Lighting design approached artistically. The use of lighting for atmosphere, mood and emphasis. Lighting as applied to art, television, theatre and motion pictures. Prerequisites: Th 142 & 234.

Th 331 (F, Odd)

3 hrs. cr.

History of the Theatre (Writing Intensive)
Theatre from primitive time through the Elizabethan period. Theatre and stage architecture, scene design, acting styles, theatre management and the culture surrounding the theatrical event. Analysis of their relationship to dramatic literature.

Th 332 (S, Even)

3 hrs. cr.

History of the Theatre (Writing Intensive)
Plays and playwrights from the Jacobean period
through the present day. The cultural background
and evolution of the literature, physical theatre,
staging, acting, audiences, and production practices

Th 333 (Demand)

3 hrs. cr.

Eastern Theatre Tradition

The study of Eastern thought and culture in the discipline of theatre. All areas of design as well as acting and movement will be discussed.

Th 341 (F, Even)

3 hrs. cr.

Acting II

The dynamics of analysis, rehearsal and performance of scenes from contemporary and classic plays. Emphasis on the actor's relationship to the play and to other actors. Prerequisite: Th 241.

Th 351 (F, Even)

3 hrs. cr.

Directing I

A comprehensive study of various problems confronting a stage director. Techniques and procedures for play selection, analysis and mounting a production. Scene directing. Prerequisite: Th 241.

Th 361 (F, Even)

3 hrs. cr.

History of Costume

Survey of the garments and fabrics worn in Western cultures from Ancient Greece through the 19th Century. Emphasis is on the social and economic reasons which caused styles to change. (Recommended as prerequisite for Stage Costume Design.)

Th 362 (S, Even)

3 hrs. cr.

Stage Costume Design

Theory and practical aspects of costume design. Emphasis on non-verbal communication of theme, character and historical period through rendered costume designs. Recommended prerequisite is History of Costume. Prerequisite: Th 234.

Th 372 (S, Odd)

3 hrs c

Directing II

Study of the skills and role of a director, casting, production administration and director-actor relationship. Experience and group evaluation in directing one-act plays before departmental or public audience. Prerequisite: Th 351.

Th 422 (S, Odd)

3 hrs. cr.

Acting III

Lecture and laboratory study of physical manners and speech in relationship to various periods of theatre presentation. Prerequisite: Th 341.

Th 431 (S, Odd)

3 hrs. cr.

Creative Dramatics

Methods and techniques of teaching dramatic improvisations for young people through the exploration of various art forms appropriate for dramatic presentation with an emphasis on storytelling.

Th 441 (F, Odd)

3 hrs. cr.

Stage Design

Scene design approached artistically. Focus on nonverbal communication between directors, designers, technicians and audience members. Prerequisites Th 142 and Th 234.

Th 450 (F, S)

1-3 hrs. cr.

Advanced Lab Practicum

Advanced practical implementation of techniques learned at beginning and intermediate levels of theatre production in the areas of directing and design. Play production for public performance. May be repeated for credit.

Th 455 (Demand)

1-3 hrs. cr.

Theatre Internships

Internship in theatre provides selected students on-the-job training and experience. The student is supervised and evaluated by a committee of faculty and by the supervisor at the facility where the student works. May be taken twice.

Th 498 (Demand)

3 hrs. cr.

Theatre Studies

Seminar in theatre for advanced students. Topic open. Approval of department head. Prerequisite: Advanced standing in major field with a GPA of 3.0. Enrollment must be approved by adviser, department head and school dean.

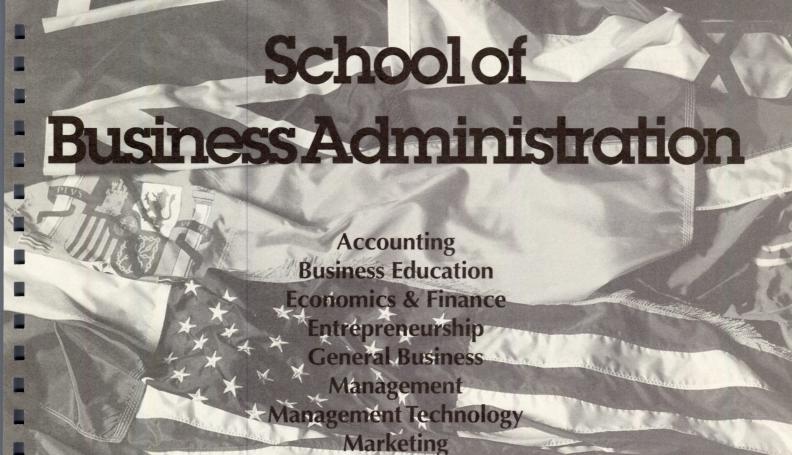
Th 499 (F, S)

1-3 hrs. cr.

Independent Study in Theatre

Structured by the adviser with approval of department head. Prerequisite: Advanced standing in major field with GPA of 3.0. Enrollment must be approved by adviser, department head and school dean.

120 / Notes



School of Business Administration

School Dean

James M. Gray Matthews Hall 302, (417) 625-9319

Degrees and Majors

Bachelor of Science in Business Administration

Accounting
Economics and Finance
General Business
Management
Management Technology
Marketing

Bachelor of Science in Education

Business Education as a single teaching field Business Education as one of two teaching fields

Bachelor of Science in Management Technology

General Business Manufacturing Information Management Systems (MIMS)

Associate of Science

Accounting
General Business

Concentration

Entrepreneurship

Role

The aim of all activity in the School of Business Administration is to assist students in the development of those intellectual, personal and professional attributes which will prepare them to exercise responsibility in the complex business environment of the future. The faculty of the School of Business Administration recognizes that the pace of change in our society will quickly render vocationally oriented information and training obsolete and that the routine details and techniques of the world of work must be acquired through actual experience. The role of the School of Business Administration, therefore, is not to teach skill specific techniques or to offer training for the first job, but to provide the educational opportunity to allow students to develop familiarity with analysis, communications, leadership and interpersonal relations within the context of professional education for business administration.

Objectives

The objectives of the School of Business Administration are:

- to maintain a relevant curriculum which will provide the necessary managerial and administrative education for the School of Business Administration graduates;
- to prepare the School of Business Administration graduates for leadership roles by stimulating rigorous, imaginative, analytical and probing attitudes so that the graduates can express themselves competently and apply problemsolving techniques;
- to provide a faculty committed to teaching excellence, community service and research;
- to maintain facilities and equipment necessary to foster high quality education in the School of Business Administration;
- to interact with the business community to identify and serve their educational needs and to provide opportunity for professional growth for our students and faculty.

Student Organizations

The Accounting Club is open to accounting students seeking information regarding the profession and association with practicing accountants. Members are encouraged to attend monthly technical meetings and social functions. Members are also encouraged to become active in one or more of the area's professional accounting organizations.

Economics and Finance Club is open to all economics and finance majors and has a National Honor Society designation for those economics and finance majors who have a cumulative GPA of 3.25 and at least six hours in finance.

Omicron Delta Epsilon is the honorary economics fraternity open to juniors with a 3.0 overall grade point average and at least 12 hours in economics, with a 3.0 in the economics courses.

Marketing Club is open to all majors who are interested in learning the skills of developing marketing relationships. The club facilitates members' professional development by introducing students to leading marketers, firms

engaged in marketing, field trips, and through club activities. Students learn leadership skills by participating in social and club activities.

Phi Beta Lambda is based on a set of goals which includes the development of competent and aggressive business leadership, creation of more interest and understanding of American business enterprise and participation in worthy undertakings for the improvement of business and citizenship. PBL is open to all business and computer science students and serves as a vehicle for professionals.

Pi Omega Pi is an honorary business education society open to students upon completion of at least three semesters of college courses including at least 15 hours in business and education subjects and the achievement of an average grade of "B" or higher in all courses in business and education.

Students in Free Enterprise (SIFE) is a nonprofit corporation organized to promote the free enterprise system. The group participates in national competitions, finishing as high as second on two different occasions.

Society for Advancement of Management is a professional organization whose mission is to foster the interaction of students, faculty, and practicing managers in order to communicate the practice of professional management. The organization is open to all business majors, particularly management and marketing students, and offers its members a personal introduction to practicing managers in the local community.

The Society of Human Resource Management is based on a set of goals which includes familiarizing students with human resource administration, industrial psychology and labor relations. It is also designed to keep students up to date on new developments and to develop a nucleus of truly professional human resource for the future. The group is co-sponsored by the School of Business Administration.

Business Administration / 123

Small Business Development Center

The School of Business Administration, in conjunction with the Small Business Administration, has formed a Small Business Development Center which encompasses the following areas:

The International Trade center

The mission of the International Trade Center in the School of Business has a dual purpose:

1. to develop international consulting and resources assistance for four-state organizations and individuals who are or wish to be involved in international trade;

2. to enhance the business curriculum by providing international resources, internship opportunities and other appropriate assistance for faculty and students.

The Total Quality Management Resource Center

The Total Quality Management Resource Center assists area organizations in their quest for continuous improvements of products, processes and services to enhance quality while reducing cost. This objective is met through assessment activities, research, educational programs, consulting, and serving as a clearing house for materials such as books, literature, tapes, and equipment.

The Southern Business and Economic Review

The Southern Business and Economic Review is published quarterly by the Small Business Development Center within the School of Business Administration. Each issue contains local economic indicators and articles of interest to local business people. The Bureau also maintains a data bank of economic statistics which is available to local business people.

Small Business Institute

The Small Business Institute allows students to consult with small businesses that request assistance. This provides valuable experience for our senior students. They are able to apply some of the theory they have learned to "real life" situations. The Small Business Administration funds the program and there is no charge to the businesses.

Business and Economic Lecture Series

The School of Business Administration sponsors an annual lecture series. Speakers of interest to both students and local business people appear each semester. Normally they

speak both during the day and the evening. J. Peter Grace and William S. Rukeyser are two of the prominent speakers who have appeared in the series.

Management Development Institute

The School of Business Administration has established a Management Development Institute to help local businesses with their training and educational needs. The Center seeks to serve those needs by developing and/or coordinating various seminars for the local businesses.

Center for Entrepreneurship

The primary purpose of the Center for Entrepreneurship is to provide relevant and practical information concerning starting and running a small business. The Center also seeks to encourage new business start-ups by providing student consultants and faculty evaluation of business plans.

Business Core Requirements

All B.S.B.A. candidates must take the following "core" courses in addition to the courses required in their major (See course descriptions for prerequisites):

Business Administration

Core Requirements

	Semester	HO	ur
Acct 201	Prin of Accounting I	3	
Acct 202	Prin of Accounting II	3	
Econ 201	Prin of Economics-Macro	3	
Econ 202	Prin of Economics-Micro	3	
Econ 350	Financial Management	3	
GB 301	Legal Environment of		
	Business I	3	
GB 320	Business Comm	3	
GB 321	Business Statistics I	3	
MM 300	Prin of Marketing	3	
MM 350	Prin of Management	3	
MM 237	Managerial Data Proc	3	
MM 452	Strategic Mgmt	3	
Advanced E	Business Elective*	3	
Total Busin	ess Core		39

*Must be selected in consultation with adviser from 300 or 400 level courses in School of Business Administration. May not be "double counted" as part of major requirements. Mathematics - All candidates for the B.S.B.A. degree must complete Mathematics 130 or higher (Finite Mathematics 131 recommended) as their Core Curriculum mathematics course.

Minors (Accounting, Economics/Finance, General Business, Management, and Marketing) for non-BSBA degree candidates.

Minor in Accounting

(Non BSBA degree candidate)
Required:

required.		
Acct 312	Intermediate Accounting I	3
Acct 375	Tax Accounting I	3
GB 301	Legal Environment	
	of Business	3
Econ 350	Financial Management	3
Upper-level accounting electives		
Choose or	ne:	
Acct 310	Cost Accounting	3
Acct 325	Managerial Accounting	3
Total for M	Minor (Accounting)	21

Minor in General Business

(non-BSBA degree candidates)

(
Acct 201	Prin of Accounting I	3	
Acct 202	Prin of Accounting II	3	
Econ 202	Prin of Economics-Micro*	3	
Econ 350	Financial Management	3	
MM 237	Managerial Data		
	Processing	3	
MM 300	Prin of Marketing	3	
MM 350	Prin of Management	3	
Total for Minor (General Business) 2			

Minor in Economics/Finance

(non-BSBA degree candidates)

(HOH BOBIL	acgive camarates,		
Acct 201	Prin of Accounting I	3	
Econ 201	Prin of Economics-Macro	3	
Econ 202	Prin of Economics-Micro	3	
Econ 300	Money and Banking	3	
			1
Choose three	ee:		
Acct 202	Prin of Accounting II	3	
Econ 330	Prin of Insurance	3	
Econ 350	Financial Management	3	
Econ 401	Microeconomic Analysis	3	
Econ 402	Macroeconomic Analysis	3	
Econ 411	Investments	3	
Econ 420	Security Analysis	3	

Total for Minor (Economics/Finance)

Financial Strategy

Econ 450

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Minor in Management (non-BSBA degree candidates)				
Choose tv				
Acct 201	Prin of Accounting 1	2		
Econ 201	Prin of Economics-Macro	3		
Econ 201	Prin of Economics-Micro	3		
GB 320	Business Comm (WI)	3		
GB 320 GB 321	Business Statistics I	3		
GB 321	business statistics i)	6	
MM 350	Prin of Management	3	3	
Choose fo	our:			
MM 337	Mgmt Information Systems	3		
MM 352	Human Resource Mgmt	3		
MM 354	Total Quality Mgmt	3		
MM 411	Labor Law	3		
MM 431	Operations Mgmt	3		
MM 441	Organizational Behavior	3		
MM 450	The Psy of HRM	3		
141141 430	THE TSY OF THEFT	,	12	
Total for	Minor (Management)		21	
(non-BSB	in Marketing A degree candidates) Prin of Economics-Micro	3		
Chassas			3	
Choose o		2		
Acct 201		3		
GB 320	Business Comm (WI)	3		
GB 321	Business Statistics I	3		
MM 350	Prin of Management (WI)	3	3	
MM 300	Prin of Marketing	3	3	
			3	
Choose for	our:			
MM 312	Retailing	3		
MM 321		3		
MM 401	Promotional Strategy	3		
MM 412	Marketing Management	3		
MM 432	Consumer Behavior	3		
MM 470	Marketing Research	3		
			12	
Total for	Minor (Marketing)		21	
	Accounting, Multimedia, and			
Total Qua	ality Management) for BSBA			
degree ca	indidates.			
	in Accounting gree candidate)			
Required				
Acct 312	Intermediate Accounting I	3		
Acct 375	Tax Accounting I	3		
Acct 310	Cost Accounting	3		
Upper-lev	vel accounting electives	9		
	Minor (Accounting)		18	

Minor in M	ultimodia		
	uitiiileula		
Required:		2	
	rtual Marketing	3	
	ogramming I	3	
	asic Design I	3	
Comm101 In	tro to Human Comm	3	
Channa tuna*.		1	2
Choose two*: MM 337 M	and Info Customs	2	
	gmt Info Systems omotional Mgmt	3	
	omotional Mgmt onsumer Behavior	3	
MM 432 C	onsumer Benavior	3	
Total for Mino	" (Adultimodia)	-	6
Total for Mino	r (Multimedia)	1	Ö
*Other courses	may be substituted		
with permissio			
The second second			
Minor in To	otal		
Quality Ma	nagement		
Required:	0		
	of Accounting I	3	
	of Management (WI)	3	
	al Quality Management	3	
	istical Quality Control	3	
05 ,00 0111	dunity control		12
Choose two:			
Acct 325 Mar	nagerial Accounting	3	
	iness Statistics I	3	
GB 322 Bus	iness Statistics II	3	
	nan Resource Mgmt	3	
	erations Management	3	
	t Accounting	3	
	and the second		6
Total for Mino	r (TQM)	·	18
*Econ 201 sho	uld be taken as a Core		
Curriculum red			

Accounting

Matthews Hall 309D, (417) 625-9607

Faculty Comstock, Goode, Paapanen, Roark, Shaver, Smith

The B.S.B.A. degree with the emphasis in accounting is designed to prepare the student to enter any area of the accounting profession, to successfully complete the Certified Public Accountant or other professional certification examination and to enter graduate school.

Prospective accounting majors should take note of new requirements for entry into the profession. Beginning in 1999, the State of Missouri will require 150 hours of college credit including an undergraduate degree before a candidate is allowed to sit for the Certified Public Accountant examination. Arkansas and Kansas, along with more than 35 other states, have similar requirements. Beginning in the year 2000, the American Institute of Certified Public Accountants will also require new members to have 150 semester hours of college credit. Accounting majors desiring to meet this requirement should note the "150-hour" recommended courses at the end of the B.S.B.A. suggested order of study or plan to attend graduate school.

The A.S. accounting program of study is designed to prepare the student for book-keeping tasks which are a part of the accounting function. Graduates of this program usually serve at the first level in accounting firms or private businesses.

A minor in accounting for both BSBA and non-BSBA degree candidates is also available.

Associate of Science with a Concentration in Accounting

Semester					
Core Requ	uirements (p. 43)	25-26			
Accountin	36				
Acct 201	Prin of Accounting I	3			
Acct 202	Prin of Accounting II	3			
Acct 312	Intermediate				
	Accounting I	3			
Acct 322	Intermediate				
	Accounting II	3			
Acct 375	Tax Accounting I	3			
GB 301	Legal Environment				
	of Business I	3			
GB 320	Business Communi-				
	cations (WI)	3			
Econ 201	Prin of Economics-Macro	3			
Econ 202	Prin of Economics-Micro	3			
MM 237	Managerial Data				
	Processing	3			
MM 350	Prin of Management (WI)	3			
Elective se	elected from:	3			
Acct 325	Managerial Accounting				
GB 302	Legal Environment				
	of Business II				
GB 321	Business Statistics I				
Business E	Business Elective 3				
Total		64-65			

Accounting / 125

							110000111111118	
Dack alon on	f Caianaa in		2nd Semeste	ar.		2nd Semeste		
	f Science in		Acct 202	Prin of Accounting II	3	Acct 440	Profes & Ethics in Acct	3
Business A	dministration with	an	Econ 202	Prin of Econ-Micro	3	Acct 499	Independent Study in Acc	
Emphasis in	n Accounting		CORE	[Literature (Eng 261, 262,		71000 133	(to be arranged with advis	
Linpilasis	Accounting			271, 272, 281 or 282)]	3	GB 302	Legal Envir of Bus II	3
	Semester H	ours	Math 302	Calc for Mgmt & Soc Sci	3	Select one:		
Core Requiren	nents (p. 43)	51	CORE	[Hist 120 American History	/] 3	Acct 418	Tax Accounting III	
Business Core		39			15	Acct 420	Accounting Theory	
Additional Bus						Acct 422	Advanced Cost Accounting	ng 3
	(Acct. majors only)	9	Junior Year					10
	iness Statistics II	3	1st Semester					
	culus for Mgmt &	,	Acct 312	Intermediate Accounting I	3			
		2	Acct 375	Tax Accounting I	3	Associate of		
	ial Sciences	3	GB 301	Legal Envir of Bus I	3	Major Cod		
	cracions management.	3	GB 321	Business Statistics I	3	Accounting	g Concentration	
Accounting Ma		24	MM 350	Prin of Management (WI)	15			
Acct 310 Cos		3			13	Freshman Yo		
	O	3	2nd Semeste	r aleman		1st Semester		
	rmediate Accounting II	3	Acct 310	Cost Accounting	3	Course	Common de la commo	Hours
	rmediate Accounting III	3	Acct 322	Intermediate Accounting II	3	Acct 201	Prin of Accounting I	3
Acct 375 Tax	Accounting I	3	GB 320	Business Comm (WI)	3	CORE CORE	[Eng 101 Comp I] [PSc 120 or Hist 110]	3
Acct 402 Adv	anced Accounting	3	GB 322	Business Statistics II	3	CORE	[Math 30 or higher]	3
Acct 411 Aud		3	MM 300	Prin of Marketing	3	CORE	[Kine 103 Lifetime Welln	
	ccounting Elective (must				15	Business Ele		3
	adviser approval)	3				Dusiness Lie	cuve	17
Electives	ruavisci approvar,	5	Senior Year					.,
Licetives		128	1st Semester			2nd Semeste	er	
		120	Acct 332	Intermediate Accounting III		Acct 202	Prin of Accounting II	3
			Acct 411	Auditing	3	CORE	[Psy 100 or Soc 110]	3
			Econ 350	Financial Management	. 3	CORE	[Comm 100 Oral Comm]	3
			CORE	[International Cultural Stud	ies	CORE	[Art 110, Mus 110, Th 110),
	101 (61)			- GB 310 Intern'l Bus strongly recommended]	2		Literature or Phil 201]	3
Suggest	ed Order of Study		CORE	[Humanities & Fine Arts	3	GB 320	Business Comm (WI)	3
	THE RESERVE OF THE PROPERTY OF THE PERSON OF	270000	CORE	Elective] (See Core Require		CORE	[Kine 101 Physical Activit	
D 1 1 66				ments, page 43)	3			16
Bachelor of Sc			Upper-level	Business Elective (MM 337		6 1		
Business Admi			оррег тетег	Mgmt Infor Systems strongly	V	Sophomore 1		
Major Code 05				recommended)	3	1st Semester Acct 312	Intermediate Accounting I	3
Accounting Em	phasis				18	MM 237	Managerial Data Processir	
						GB 301	Legal Environment of Bus	
Freshman Year			2nd Semeste			CORE	[Bio 110 or Phys 100]	4-5
1st Semester			Acct 402	Advanced Accounting	3	CORE	[Econ 201 Econ-Macro]	3
Course	Ho		Upper-level	Accounting Elective (Must be				16-17
	ng 101 Comp I] ath 131 Finite Math]	3		selected with adviser appro				
		3		Internships, independent stu		2nd Semeste	r	
	Sc 120 Gov't: U.S./Sta/Loc] 3 o 101 General Biology] 4	1		and VITA will not fulfill this		Acct 322	Intermediate Acct II	3
	ne 103 Lifetime Wellness]	2	1414 421	requirement.)	3	Acct 375	Tax Accounting I	3
	llege Orientation		MM 431 MM 452	Operations Management Strategic Management (WI)	3	Econ 202	Prin of Econ-Micro	3
. 5, .20	16	5	Electives	Strategie Management (VVI)	5	MM 350	Prin of Management (WI)	3
			Liectives		17	Business Elec	ctive (Acct 325, GB 302,	
2nd Semester			Total for B.S	.B.A. degree	128		GB 321)	3
	ng 102 Comp II]	3	. Ottal lol D.S	ion ii degree	.20			15
	nys 100 Fund of Phys Sci]	5				Farm Live	-1:-6	
	omm 100 Oral Comm]	3					nal information contact:	
	sy 100 or Soc 110]	3	150-Hou	ır Track		Dr. James S		
CORE [Ki	ne 101 Physical Activity] 1	1	150 1100	II II dek			tthews Hall 309D	
	15	5	First Semeste	The section of the se		Phone: (41)	7) 625-9607	
Sophomore Year	The second second second		Course		Hours			
1st Semester		-101	Acct 408	Tax Accounting II	3			
	n of Accounting I	3	Acct 408	Advanced Auditing	3			
	con 201 Econ-Macro]	3	GB 420	Advanced Bus Comm	3			
	nagerial Data Processing	3	Econ 401	Microeconomic Analysis	3			
	ne Arts (Art 110, Mus 110	,	20011 101		12			
	Th 110)]	5						
CORE [H	ist 110 American History] 3							
	13							

126 / Accounting

Course Descriptions

Acct 201 (F, S)

3 hrs. cr.

Principles of Accounting I

Learn how accounting information is used by investors, creditors, managers and others in making decisions. Topics will be presented in a functionally integrated manner starting from a broad conceptual base and progressing to technical subjects. An interactive class environment will require the student to become an active participant in the learning process.

Acct 202 (F, S)

3 hrs. cr.

Principles of Accounting II

This course is a continuation of Principles of Accounting I.

Acct 310 (F, S)

3 hrs. cr.

Cost Accounting

Study of accounting cost systems providing information generation for managerial planning and control. Special emphasis is placed on Total Quality Management as applied to industrial and service enterprises. Prerequisites: Acct 202, MM 237, GB 321.

Acct 312 (F, S)

3 hrs. cr.

Intermediate Accounting I

First of three courses that comprehensively cover financial accounting for business enterprises (with emphasis on the corporation). The course is organized in three areas: (1) environment of financial accounting and basic theory underlying financial accounting; (2) accounting process from transaction analysis to financial statements; (3) accounting for assets. Prerequisites: Acct 202, MM 237.

Acct 322 (F, S)

3 hrs. cr.

Intermediate Accounting II

Second of three courses that comprehensively cover financial accounting for business enterprises (with emphasis on the corporation). Emphasizes topics in areas of: (1) accounting for liabilities and assets; (2) shareholders' equity and earnings per share; (3) financial statement reporting and analysis. Prerequisite: Acct 312.

Acct 325 (F, S)

3 hrs. cr.

Managerial Accounting

Use of accounting as a tool for the process of planning, controlling and decision making. Emphasis on where accounting data is obtained, what kind of information is needed and how it is used in the management process. This course may not be taken by the accounting major to satisfy accounting core requirements. Prerequisite: Acct 202.

Acct 332 (F, S)

3 hrs. cr.

Intermediate Accounting III

Third of three courses that comprehensively cover financial accounting concepts and standards for business enterprises (with emphasis on the corporation). Covers the following areas: income taxes, post-retirement benefits, leases, cash flows, earnings per share, accounting changes and errors, financial reporting/analysis and accounting for changes in prices. Prerequisite: Acct 322.

Acct 375 (F, S)

3 hrs. cr.

Tax Accounting I

Procedures for reporting federal income taxes with emphasis on income and deductions for individuals. Practice in preparing federal income tax returns. Prerequisite: Acct 202 or permission/and MM 237.

Acct 402 (F, S)

3 hrs. cr.

Advanced Accounting

Application of accounting principles of partnerships, branch accounting, business combinations, consolidated statements, segment reporting, reporting by multinational companies, bankruptcy and corporate reorganization, estates and trusts. Prerequisite: Acct 322

Acct 408 (Demand)

3 hrs. cr.

Tax Accounting II

Procedures for reporting federal income taxes with emphasis on corporations, partnerships, estates and trusts. Practice in preparing federal income tax returns of these business entities. Prerequisite: Acct 375.

Acct 411 (F, S) **Auditing**

3 hrs. cr.

Overview of the certified public accounting profession with special attention to auditing standards, professional ethics, the legal liability inherent in the attest function, the study and evaluation of internal control, the nature of evidence, the growing use of statistical sampling, and performing an audit. Prerequisite: Acct 322.

Acct 418 (Demand)

3 hrs. cr.

Tax Accounting III

Procedures for reporting federal income taxes with emphasis on family tax planning, international tax and multi-state tax reporting. In addition, tax research procedures will be used to integrate tax topics examined in Tax Accounting I and Tax Accounting II. Prerequisite: Acct 375.

Acct 419 (Demand)

3 hrs. cr

Accounting Information Systems

A comprehensive study of the objectives, uses, evaluation and design of accounting information systems. The course is for students who will soon be assuming the responsibilities of professional accountants and need to know how accounting information systems function. Prerequisites: Acct 312 and MM 237 or equivalent.

Acct 420 (Demand)

3 hrs. cr.

Accounting Theory

Study of the theory of income, asset valuation and history of accounting thought. Critical discussion of the authoritative pronouncements of the Financial Accounting Standards Board. Provides a coherent set of logical principles that form the general frame of reference for the evaluation and development of sound accounting principles. Prerequisite: Acct 322.

Acct 421 (F, S)

3 hrs. cr.

Governmental and Nonprofit Accounting

Study of accounting principles, standards and procedures that apply to governmental entities. Primary emphasis is accounting for municipalities. Provides background for studying accounting systems of college and universities, hospitals and other nonprofit entities. Prerequisite: Acct 322.

Acct 422 (Demand)

3 hrs. cr.

Advanced Cost Accounting

Advanced study in decision models and cost information, system choice, strategy and management control. Special emphasis on total quality management and time related management control initiatives. Prerequisite: Acct 310.

Acct 431 (Demand)

3 hrs. cr.

Advanced Auditing

An integration of auditing concepts from Auditing I emphasizing specific applications of auditing principles and concepts. In addition, other specialized audit reports are examined including prospective financial statements and compilation and review engagements. Examination of internal and operational audits as well as special topics in auditing. Prerequisite: Acct 411.

Acct 440 (Demand)

3 hrs. cr.

Professionalism and Ethics in Accounting

A comprehensive examination of the ethical issues that may confront the student during their professional career. Provides a decision model for evaluating alternative courses of action when such dilemmas are encountered.

Acct 491 (Demand)

1-8 hrs. cr.

Internship in Public Accounting

Selected senior accounting students serve an internship of approximately 60 work hours per credit hour earned as junior accountants on the staff of practicing certified public accountants and/or private industry. Supervised by faculty. Oral and written reports required. Prerequisites: Acct 322, 401, 411 and/or consent of the internship committee. (Not more than 3 hrs. per semester)

Acct 498 (Demand)

1-3 hrs. cr.

Seminar in Accounting

For upper division accounting or related majors with topics to be announced each time the course is offered. Prerequisite: Senior standing or permission.

Acct 499 (Demand)

1-3 hrs. cr.

Independent Study in Accounting

Individually directed readings, research and discussion in selected areas of accounting for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisite: Permission and a minimum 3.0 GPA.

Business Education / 127

Business Education

Matthews Hall 307B, (417) 625-9603

Faculty Block

Bachelor of Science in Education (Business Major)

The B.S.E. business major course of study prepares graduates to teach business as either a single or dual field at the secondary level.

Business education majors must have a cumulative GPA of 2.75 in all course work and must maintain a cumulative GPA of 2.75 in their business courses.

Bachelor of Science in Education with Business as a Single Teaching Field

(Plan B)

	Semester I	Hour
Core Requi	rements (p. 43)	5
Education of	courses (p. 149)	4
Business Ma	ajor	4
Acct 201	Prin of Accounting I	3
Acct 202	Prin of Accounting II	3
Accounting	- Select one:	3
Acct 312	Intermediate Accounting I	
Acct 325	Managerial Accounting	
Acct 375	Tax Accounting	
Econ 201	Prin of Economics-Macro	3
Econ 202	Prin of Economics-Micro	3
GB 110	Computer Formatting*	3
GB 112	Computer Document	
	Production*	3
GB 301	Legal Environment	
	of Business I	3
GB 312	Prin of Business Educ	3
GB 320	Business Comm (WI)	3
MM 237	Managerial Data	
	Processing	3
MM 300	Prin of Marketing	3
MM 337	Management Information	
	Systems	3
MM 350	Prin of Management (WI)	3
		134

Students can graduate with 128 hours if Psy

100 and Econ 201 are taken to fulfill college

core requirements.

*Students having proficiency in keyboarding may ask to be tested. If advanced standing is granted in the subject, the student will substitute another course in order to meet the 42 hour requirement.

Bachelor of Science in Education with Business as One of Two Teaching Fields (Plan A)

Semester Hours

Semester Hours			
Core Curriculum (p. 43)			
Education courses (p. 149)			
Business Ma	ajor	30	
Acct 201	Prin of Accounting I	3	
Acct 202	Prin of Accounting II	3	
Accounting	- Select one:	3	
Acct 312	Intermediate Accounting I		
Acct 325	Managerial Accounting		
Acct 375	Tax Accounting		
Econ 201	Prin of Economics-Macro	3	
GB 110	Computer Formatting*	3	
GB 112	Computer Document		
	Production*	3	
GB 301	Legal Environment of		
	Business I	3	
GB 320	Business Comm (WI)	3	
MM 237	Managerial Data		
	Processing	3	
MM 337	Management Information		
	Systems	3	
	,		

*Students having proficiency in keyboarding may ask to be tested. If advanced standing is granted in the subject, the student will substitute another course to meet the 30 hour requirement.

Suggested Order of Study

Bachelor of Science
Major Code 0838
Plan B-Single Teaching Field
Business Education

Freshman Year 1st Semester

Course		Hour
CORE	[Eng 101 Comp I]	3
CORE	[Hist 110 U.S. History]	3
CORE	[Art 110, Mus 110 or Th 11	0] 3
CORE	[Psy 100 Gen Psychology]	3
Educ 100	Orient to Educ!	1
CORE	[Kine 103 Lifetime Wellness	s] 2
		15

Educ 402

Educ 432

Educ 462

Psy 412

2nd Semeste	r	
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loo	
CORE	[Hist 120 or 320]	3
CORE	[Math 131 Finite Math]	3
GB 110	Computer Format (GB 105)	3
Educ 302	Exceptional Child	2
	7	17
		• /
Conhamara	Vacu	
Sophomore	Tear	
1st Semester		
CORE	[Econ 201 Econ-Macro]	3
Acct 201	Prin of Acct I (Math 131)	3
CORE	[Bio 101 General Biology]	4
Educ 200	Orient to Educ II	1
CORE	[Literature (Eng 261, 262,	
CORL		2
CORE	271, 272, 281, 282)]	3
CORE	[Kine 101 Physical Activity]	1
Psy 310	Educational Psychology	2
		17
2nd Semeste	r	
Acct 202	Prin of Acct II (Acct 201)	3
Econ 202	Prin of Economics-Micro	3
MM 237	Managerial Data Processing	
		3
CORE	[Phys 100]	5
CORE	[Comm 100 or 103]	3
		17
Junior Year		
1st Semester		
Acct 312	Intermediate Accounting I	
OR	mermediate / teedanting i	
Acct 325	Managerial Accounting	
OR	Managerial Accounting	
	T 4	0
Acct 375	Tax Accounting (Acct 202)	3
GB 301	Legal Environment of Bus I	3
Educ 321	Microteaching, Secondary	2
Educ 329	Ped Theo, Methods & Prac	4
Educ 423	Classroom Management	2
Psy 301	Adolescent Psychology	3
		17
		• /
2nd Semester		
CORE		2
	[Humanities and Fine Arts]	3
GB 112	Comp Doc Pro (GB 110)	3
GB 320	Bus Comm (WI) (Eng 102)	3
MM 300	Prin of Marketing (Econ 202)	3
Educ 422	Reading Secondary	2
	,	14
Senior Year		
1st Semester		
	II	2
CORE	[International Cultural Stu]	3
GB 312	Prin of Business Educ	3
MM 337	Management Info System	3
MM 350	Prin of Management (WI)	3
EDUC 301	Computer Software in Educ	3
		15
2nd Semester		
Professional S	Comostor	
		2
Educ 336	Tchng Business, Secondary	2

Foundation of Educ

Critical Issues in Educ

Student Tchng Secondary

Measurement & Evaluation

2

16

128 / Economics and Finance

[Department Recommendations] (Prerequisites)

For additional information contact:

Dr. Beverly Block

Office: Matthews Hall 307B Phone: (417) 625-9603

Economics and Finance

Matthews Hall 310E, (417) 625-9536

Faculty Eberhardt, Jaswal, La Near, Larson, Marion, Miller, Rawlins, Schultz

The B.S.B.A. economics and finance major course of study is designed to prepare graduates for managerial positions in financial institutions, corporate research, forecasting, government and other public and private sector positions, as well as for graduate study.

Bachelor of Science in Business Administration with an Emphasis in **Economics and Finance**

Semester F	lours			
Core Requirements (p. 43)	51			
Business Core (p. 123)				
Economics and Finance Emphasis				
Econ 300 Money and Banking	3			
Econ 411 Investments	3			
Two of the following:	6			
Econ 401 Microeconomic Analysis				
Econ 402 Macroeconomic Analysis				
Econ 450 Financial Strategy				
Advanced Econ/Fin Electives (selected	in			
consultation with adviser from Econ/				
Fin courses numbered 300 or above)	6			
Electives	20			
	128			

Suggested Order of Study

Bachelor of Science in Business Administration Major Code 0504 **Economics and Finance Emphasis**

Freshman Ye	ear	
1st Semester		
Course		Hou
CORE	[Eng 101 Comp 1]	3
CORE	[Math 131 Finite Math]	3
CORE	[PSc 120 Gov't: U.S./Sta/Lo	c] 3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 103 Lifetime Wellness	s] 2
Psy 120	College Orientation	1
		16
2nd Semeste	r	
CORE	[Eng 102 Comp II]	3
CORE	[Phys 100 Fund of Phys Sci] 5
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 100 or Soc 110]	3

Sopnomore	rear
1st Semester	
Acct 201	Prin of Accounting I
CORE	[Econ 201 Prin of Econ-Ma

CORE

CORE	[Econ 201 Prin of Econ-Macro	0]3
MM 237	Managerial Data Processing	3
CORE	[Fine Arts (Art 110, Mus 110	
	or Th 110)]	3
CORE	[Hist 110 American History]	3

[Kine 101 Physical Activity]

3

18

Prin of Accounting II	3
Prin of Econ-Micro	3
[Literature (Eng 261, 262,	
271, 272, 281 or 282)]	3
[Hist 120 American History]	3
	3
	15
	Prin of Accounting II Prin of Econ-Micro [Literature (Eng 261, 262, 271, 272, 281 or 282)]

Junior Year		
1st Semester		
Econ 300	Money and Banking	3
Econ 350	Financial Management	3
GB 301	Legal Environment of Bus I	3
MM 300	Prin of Marketing	3
MM 350	Prin of Management (WI)	3
		15

MM 350	Prin of Management (WI)	3
	1	5
2nd Semester		
GB 320	Business Comm (WI)	3
GB 321	Business Statistics I	3
Econ 402	Macroeconomic Analysis	
OR		
Econ 450	Financial Strategy	3
Advanced Bu	siness Elective (must be	
	selected in consultation with	
	faculty adviser from courses	
	numbered 300 or above	
	within the School of Business	
	Administration)	3

Electives

Semor rear		
1st Semester		
Econ 401	Microeconomic Analysis	3
Econ 411	Investments	3
Advanced E	lective in Econ (selected in	
	consultation with faculty	
	adviser from courses num-	
	bered 300 or above)	3
CORE	[International Cultural Stu]	3
	(GB 310 strongly recommen	ided)
CORE	[Hum & Fine Arts Elective]	3
	(See Core Requirements,	
	p. 43)	
Elective		3
		18
2nd Semeste	er	
Econ 402	Macroeconomic Analysis	
or		
Econ 450	Financial Strategy	3
Advanced E	lectives in Econ (selected in	
	consultation with faculty	
	adviser from courses num-	
	bered 300 or above)	10
MM452	Strategic Management (WI)	3
		16
		128

For additional information contact: Dr. Duane O. Eberhardt Office: Matthews Hall 310E

Phone: (417) 625-9536

Course Descriptions

Econ 180 (F, S)

The American Economic System

A core course on the goals, organization and operation of the U.S. economy. Topics include: scarcity and choice; the role of profits, savings, investment and competition as a pricing mechanism in the allocation of resources; the economic functions of government including fiscal and monetary policy tools used for macroeconomic stabilization; limitations of the market system; other types of economic systems; industrial organization of America's contemporary capitalistic economy including the activities of the business firm; and the rationale for international trade and the effects of trade barriers. Not for business majors or for those who have taken Econ 201 or 202.

Econ 201 (F, S) **Principles of Economics (Macro)**

A basic course that explains the organization, operation and goals of the U.S. economic system with emphasis on basic principles and concepts; measurement, determination and stabilization of national income; unemployment and inflation; the role of money and monetary policy; international finance; and current economic problems. Prerequisites: Sophomore standing or permission, Math 130 or above.

Economics and Finance, Entrepreneurship / 129

Econ 202 (F, S)

3 hrs. cr.

Principles of Economics (Micro)

A continuation of economic principles with emphasis on the theory of price determination and income distribution, with particular attention to the nature and application of those bearing on decision making within a household, firm or industry; cost and revenue implications of various product and factor market structures; and international trade. Prerequisite: Sophomore standing or permission, Math 130 or above.

Econ 300 (F, S)

3 hrs. cr.

Money and Banking

The nature, need, functions, role, creation and destruction of money and credit; financial institutions and their functions with special emphasis on the commercial banking system and the Federal Reserve system; introduction to monetary theory and policy; international aspects of money and monetary policy. Prerequisites: Econ 201.

Econ 330 (F)

3 hrs. cr.

Principles of Insurance

Survey of the fundamentals of insurance including risk management, interpretation of policies, property insurance, liability insurance, health insurance and life insurance. Prerequisite: Econ 201 and 202.

Econ 350 (F, S)

3 hrs. cr.

Financial Management

Study of the financial operating environment and financial analyses; risk and valuation, time value of money, capital budgeting, cost of capital and leverage, working capital management and dividend policy. Prerequisites: Econ 201 and 202, Acct 202, MM 237.

Econ 401 (F)

3 hrs. cr.

Microeconomic Analysis

The price system and resource allocation through a system of markets and prices; price and output determination in perfect and imperfect markets; resource markets and income determination. Prerequisites: Econ 201 and 202.

Econ 402 (S)

3 hrs. cr.

Macroeconomic Analysis

National income determination with various macroeconomic models; fiscal and monetary policy; international linkages; consumption and investment; economic growth. Prerequisite: Econ 300.

Econ 411 (F)

3 hrs. cr.

Investments

Principles underlying investment analysis and policy; salient characteristics of governmental and corporate securities; policies of companies and investing institutions; relations of investment policy to money markets and business fluctuations; security price-making forces. Prerequisite: Econ 350.

Econ 420 (S) Security Analysis 3 hrs. cr.

A broad introduction to basic stock selection using fundamental analysis whereby "over" and "under" valued stocks are to be identified. The class will construct a common stock portfolio of 10 to 50 stocks. Other topics covered will include; basic schools of investment thought (EMH, fundamental, technical diversification, quality of earnings and factors affecting equity ownership.

Econ 450 (S)

3 hrs. cr.

Financial Strategy

Financial planning, capital budgeting under constraints of mutual exclusiveness and capital rationing, leverage (both operating and financial), debt financing, common stock (including dividend policy), preferred stock, leasing, mergers, LBO's, and international finance using a case study approach. Prerequisite: Econ 350.

Econ 491 (F, S)

1-8 hrs. cr.

Internship in Economics and Finance

An internship for senior Economics/Finance students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval.

Econ 498 (Demand)

1-3 hrs.

Seminar in Economics and Finance

Seminar for upper division majors with topics to be announced each time the course is offered. Prerequisite: Senior standing or permission. Examples of seminars offered in the past are: 498-Seminar in International Economics 498-Seminar in Business Cycles 498-Seminar in Public Finance.

Econ 499 (Demand)

1-3 hrs. cr.

Independent Study in Economics-Finance

Individually directed readings, research and discussions in selected areas of economics and finance for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and 3.0 GPA.

Entrepreneurship

Matthews Hall 107B, (417) 625-9520

Faculty Bradshaw, Robinson

A concentration in entrepreneurship is offered for all students, regardless of major, to enhance success of small business startups. This concentration prepares the students to start their own businesses.

Requirements for a Concentration in Entrepreneurship:

Semester Hours Entrepreneurship - Dev-Ent 201 eloping a Business Plan Ent 202 Entrepreneurship -**Business Opportunities** Entrepreneurship -Ent 203 Legal Aspects Ent 204 **Entrepreneurial Financing** and Information -Initial Capitalization Entrepreneurial Financing Ent 205 and Information - Cash Flow Budgeting Entrepreneurial Financing Ent 206 and Information - Microcomputer Applications Ent 207 Accounting for the New Venture - Procedures Ent 208 Accounting for the New Venture - Records Accounting for the New Ent 209 Venture - Taxation 1 Managing the Small Ent 210 Business - The Management Process Ent 211 Managing the Small Business -Strategic Planning & Organizing Ent 212 Managing the Small Business - Human Relations Ent 213 Marketing the Small Business - Promotion Ent 214 Marketing the Small **Business - Pricing** Ent 215 Marketing the Small Business - Merchandise/ Inventory

130 / General Business

General Business

Matthews Hall 309K, (417) 625-9671

Faculty Block, Bradshaw, Cragin, Goode, Gray, Johnson, Kleindl, Larson, Marion, Miller, Rusley, Srombom, Tiede, Vernon

The B.S.B.A. degree program in general business is intended to give the broadest possible background to the graduate and to prepare the graduate for managerial positions in the public and private sectors. The A.S. degree program prepares the graduate for first line supervisory and managerial duties.

Bachelor of Science in Business Administration with an Emphasis in General Business

	Semester H	Hours
Core Requ	irements (p. 43)	51
Business C	Core (p. 123)	39
General B	usiness Emphasis:	18
Acct 325	Managerial Acct	3
Econ	(selected from 300, 330,	
	401, 411, GB 322)	3
MM	(selected from 352, 354,	
	410, 412, 431, 441)	3
MM	(selected from 312, 321,	
	401, 412, 415, 432, 470)	3
MM 337	Management Information	
	Systems	3
Advanced	Business Elective (must be	
	selected with adviser	
	consultation & approval)	3
Electives		20
		128

Associate of Science in General Business

	Semeste	r Hou	rs
Core Requ	irements (p. 43) 2	5-26	
General B	usiness Concentration	2	27
Acct 201	Prin of Accounting I	3	
Acct 202	Prin of Accounting II	3	
Econ 201	Prin of Economics-Macro	0 3	
Econ 202	Prin of Economics-Micro	3	
GB 301	Legal Environment		
	of Business I	3	

GB 302	Legal Environment	
	of Business II	3
MM 237	Managerial Data	
	Processing	3
MM 300	Prin of Marketing	3
MM 350	Prin of Management (WI)	3
Business El	lectives (must be selected	
with appro	val of faculty adviser)	12
		64-65

Suggested Order of Study

Bachelor of Science in Business Administration Major Code 0501 General Business Emphasis

Freshman	Year	
1st Semest	er	
Course		Hour
CORE	[Eng 101 Comp I]	3
CORE	[Math 131 Finite Math]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc] 3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 103 Lifetime Wellness]	2
Psy 120	College Orientation	1
		16
2nd Semes	ster	
CORE	[Eng 102 Comp II]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Kine 101 Physical Activity]	1
		15
Cambanan	- V	

Sophomor	e Year	
1st Semest	er	
Acct 201	Prin of Acct I	3
CORE	[Econ 201 Economics-Micro]	3
MM 237	Managerial Data Processing	7
CORE	[Fine Arts (Art 110, Mus 110	
	or Th 110)]	3
CORE	[Hist 110 American History]	3
		15
2nd Semes	ster	
Acct 202	Prin of Acct II	2

		15
2nd Semes	ter	
Acct 202	Prin of Acct II	3
Econ 202	Economics-Micro	3
GB 321	Business Statistics I	3
CORE	[Literature (Eng 261, 262,	
	271, 272, 281 or 282)]	3
CORE	[Hist 120 American History]	3
Elective		3
		18
Junior Yea	r	
1st Semeste	er	
Acct 325	Managerial Acct	3
GB 301	Legal Environment of Bus I	3
GB 320	Business Comm (WI)	3

Prin of Marketing

Management Infor Systems

3

15

MM 300

MM 337

2nd Semester	
Advanced Elective	in Econ/Fin (must be
selecte	d from Econ 300, 330
401, 4	02, 411or GB 322) 3
Advanced Elective	in Management (must
be sele	cted from MM 352, 354,
410, 41	(2, 431, or 441) 3
Econ 350 Financi	al Management I 3
Advanced Business	Elective (must be
selecte	d in consultation with
adviser	from courses
numbe	red 300 or above within
the Sch	ool of Business
Admin	istration) 3
MM 350 Prin of	Management (WI) 3
Elective	3
	18

Senior Yea	ar	
1st Semest	ter	
Advanced	Elective in Marketing (must be	
	selected from MM 312, 321,	
	401, 405, 412, 432 or 470)	3
CORE	[International Cultural Stu]	3
	(GB 310 Strongly recommend	ded)
CORE	[Humanities and Fine Arts]	
	(See Core Requirements,	
	p. 43)	3
Electives		6
		15
2nd Seme	ster	
Advanced	Business Elective (must be	
	selected in consultation with	
	faculty adviser from courses	
	numbered 300 or above with	in
	the School of Business	

Associate of Science
Major Code 5001
General Business Concentration

Administration)

Strategic Management (WI)

10 **16 128**

MM 452

Electives

Freshman Yo	ear	
1st Semester		
Acct 201	Prin of Accounting I	3
CORE	[Eng 101 Comp I]	3
MM 237	Managerial Data Processing	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Math (30 or above)]	3
CORE	[Kine 103 Lifetime Wellness]	2
		17
2nd Semeste	er	
Acct 202	Prin of Accounting II	3
CORE	[Econ 201 Economics-Macro]	3
CORE	[Hist 110 or PSc 120]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Art 110, Mus 110, Th 110,	
	Literature or Phil 201)]	3
CORE	[Kine 101 Physical Activity]	1
		16

General Business, Management / 131

Sophomor	e Year	
1st Semest	er	
Business E	lectives (must be selected	
	with adviser approval)	6
GB 301	Legal Environment of Bus I	3
Econ 202	Prin of Economics-Micro	3
MM 350	Prin of Management (WI)	3
		15
2nd Semes	ter	
GB 302	Legal Environment of Bus II	3
MM 300	Prin of Marketing	3

with adviser approval)

[Bio 101 or Phys 100]

[Department Recommendations]

Business Electives (must be selected

For additional information contact:

Dr. Alex Vernon

Office: Matthews Hall 309K Phone: (417) 625-9671

Course Descriptions

GB 101 (F, S)

3 hrs. cr.

4-5

16-17

Introduction to Business

Modern American business, including a study of the capitalistic system, ownership and organization, management problems, marketing, finance, law and taxation. Not available for credit for with more than 6 hrs. of business.

GB 105 (F)

3 hrs. cr.

Computer Keyboarding

Learn or review the proper techniques for alphabet and number keys. Letter styles, proper report formats, simple tabulations, and employment communications are taught using basic Word 6.0 commands. Speed and accuracy in editing are stressed so the student will acquire a personally useful skill.

GB 110 (F, S)

3 hrs. c

Computer Formatting

Covers all styles of business letters, reports, memos, and tables. Some of the advanced Word 6.0 commands used are: headers and footers, find and replace, report styles, advanced table features, templates, labels, mail merge, and sort. Prerequisite: GB 105 or a good knowledge of the keyboard and familiarity with word processing.

GB 112 (F, S)

3 hrs. cr.

Computer Document Production

Production of all types of letters, reports, business forms, legal forms, tables, and desktop publishing using Word 6.0. Realistic, integrated office projects are used. Prerequisite: GB 110 or equivalent.

GB 250 (Demand)

3 hrs. cr.

Word Processing Concepts/Applications

Introduction to the total concept of word processing as it relates to administrative services and machine technology in the modern business organization. Prerequisite: GB 105 Computer Keyboarding or equivalent.

GB 301 (F, S)

3 hrs. cr.

Legal Environment of Business I

Common law principles and statutes, particularly the Uniform Commercial Code, as they relate to American business. Includes the court systems and procedures, contracts, personal property and bailments, sales and commercial paper. Special emphasis on Missouri case-law and statutes.

GB 302 (F, S)

3 hrs. cr.

Legal Environment of Business II

Common law principles and statutes, particularly the Uniform Commercial Code, as they relate to American business. Brief overview of criminal law and tort law, government control and regulation, secured transactions, insurance, bankruptcy, agency and employment, partnerships, corporations, real property and estates. Prerequisite: Junior standing.

GB 310 (F, S) 3 hrs. cr.

International Business

Introduction to the intricacies and complexities of international trade and business. The course provides an overview of the international organizations and the effects of the foreign environment on international business. The course will focus on cultural differences; theories of international trade and economic development; international finance; marketing internationally and practical applications of starting and maintaining international business relationships. Prerequisites: Econ 180 or Econ 201.

GB 312 (F)

3 hrs. cr.

Principles of Business Education

Fundamentals of business education including curriculum, trends, equipment, materials, professional organizations and vocational programs. For business education majors only. (To be taken in fall prior to student teaching.)

GB 320 (F, S)

3 hrs. cr.

Business Communication (Writing Intensive) Principles of writing effective letters, memos and reports to solve real-world situations. Emphasis on contemporary issues and the employment process. Prerequisites: 6 hrs. English Comp or permission of instructor.

GB 321 (F, S)

3 hrs. c

Business Statistics I

Methods of collection, analysis, interpretation and presentation of data related to business. Topics include frequency distribution, measures of central tendency and dispersion, regression and correlation analysis, probability concepts, sampling distributions, estimation procedures and hypothesis testing. Computer statistical packages will be utilized in analysis and application of problems. Prerequisite: Math 130, 131 or higher, MM 237.

GB 322 (S)

3 hrs cr

Business Statistics II

Methods of statistical analysis relating to business decision making and research in business and economics. Emphasizes sampling theory, parametric tests of hypotheses, analysis of variance, nonparametric tests of hypotheses, statistical quality control and other selected statistical techniques. Computer statistical packages will be utilized in analysis of problems. Prerequisite: GB 321.

GB 360 (Demand)

2 hrs. cr.

Professional Development

Development of employability and career skills will be emphasized focusing on tools necessary for employment, communication skills, corporate etiquette, business dress, adjusting to the corporate environment and the professional image.

GB 405 (Demand)

3 hrs cr

Statistical Quality Control

Theory and methods used in statistical quality control. Emphasizes basic statistical analysis, variables control charts, attributes control charts, interpretation of control charts, estimation of process parameters, gage capability, acceptance sampling, and service quality. Prerequisites: GB 321 or consent of instructor.

GB 498 (Demand)

1-3 hrs. cr.

Seminar in General Business

For upper division general business or related majors with topics to be announced each time the course is offered. Prerequisite: Senior standing or permission. Seminar topics offered in the past include office machines, career orientation and human relations.

GB 499 (Demand)

1-3 hrs. cr.

Independent Study in General Business

Individually directed readings, research and discussions in selected areas of general business for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and 3.0 GPA.

Management

Matthews Hall 309N, (417) 625-9518

Faculty Block, Bradshaw, Cragin, Gray, Johnson, Marion, Rozell, Stevens, Vernon

The B.S.B.A. degree with an emphasis in management is designed to prepare the graduate for entry level positions of responsibility in both the private and public sectors.

132 / Management, Management Technology

Bachelor of Science in Business Administration with an Emphasis in Management

	Semester I	Hours
Core Requ	irements (p. 43)	51
Business C	Core (p. 123)	39
Managem	ent Emphasis	18
Acct 325	Managerial Acct	3
MM 337	Management Information	
	Systems	3
MM 352	Human Resource Mgmt	3
MM 431	Operations	3
MM 441	Organizational Behavior	3
Select One	e: (MM 354 TQM, 410 SBN	1,
	411 Labor Law or	
	412 MKTG MGMT)	3
Electives		20
		128

Suggested Order of Study

Bachelor of Science in Business Administration Major Code 0507 **Management Emphasis**

Freshman Year 1st Semester

Course		Hours
CORE	[Eng 101 Comp I]	3
CORE	[Math 131 Finite Math]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 103 Lifetime Wellness]	2
Psy 120	College Orientation	1
		16
2nd Seme	ster	
CORE	[Eng 102 Comp II]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Kine 101 Physical Activity]	1
		15

Sol	phomore \	Year

Sophomor	e Year	
1st Semest	er	
Acct 201	Prin of Acct I	3
CORE	[Econ 201 Econ-Macro]	3
MM 237	Managerial Data Processing	3
CORE	[Fine Arts (Art 110, Mus 110	
	or Th 110)]	3
CORE	[Hist 110 American History]	3
		15

2nd Semes	Prin of Acct II	2
ACCT 202	Prin of Acct ii	3
Econ 202	Prin of Econ-Micro	3
CORE	[Literature (Eng 261, 262,	
	271, 272, 281 or 282)]	3
CORE	[Hist 120 U.S. 1877 - Pres]	3
Elective		3
		15

Junior Year 1st Semester Managerial Accounting Acct 325 GB 301 Legal Environment of Bus I Business Comm (WI) GB 320 MM 350 Prin of Management (WI) 3 MM 337 Mgmt Information Systems 3 15 2nd Semester GB 321 Business Statistics I Econ 350 Financial Management MM 300 Prin of Marketing MM 352 Human Resource Mgmt

Advanced	Business Elective (must be
	selected in consultation with
	adviser from courses
	numbered 300 or above
	within the School of Business
	Administration)

18

El	ective

Senior Year

1st Semeste	er	
MM 431	Operations Management	3
MM 441	Organizational Behavior	3
CORE	[International Cultural Stu]	
	(GB 310 Strongly recommende	ed)3
CORE	[Humanities & Fine Arts Electi	ve]
	(See Core requirements, p. 43) 3
Electives		6
		18
2nd Semes	ter	
Advanced	Elective (MM 354, 410, 411,	
	or 412)	3
MM 452	Strategic Management (WI)	3
Electives		10
		16
		128

[Department Recommendations]

For	additiona	l information	contact:
Dr.	Bill Stever	ns	
- 11			

Office: Matthews Hall 309N Phone: (417) 625-9518

Management Technology

Matthews Hall 302, (417) 625-9319

Bachelor of Science in Management Technology with an Emphasis in General **Business**

The B.S. in management technology major course of study is for students who have already received an associate degree in a technical field or other technical preparation approved by the adviser and school dean and who desire to obtain the necessary business skills to become technical supervisors or first line managers. Students must apply for admission to the program in the first semester of the junior year.

General Business Emphasis

Semester Hours

Core Curriculum (p. 43)			51
Two Year Technology Degree			36
Required Business Classes:			
Acct 201	Prin of Accounting I	3	
Acct 202	Prin of Accounting II	3	
GB 301	Legal Environment		
	of Business I	3	
GB 302	Legal Environment		
	of Business II	3	
GB 320	Business Comm (WI)	3	
Econ 201	Prin of Economics-Macro	3	
Econ 202	Prin of Economics-Micro	3	
Econ 350	Financial Management	3	
MM 237	Managerial Data		
	Processing*	3	
MM 300	Prin of Marketing	3	
MM 350	Prin of Management (WI)	3	
MM 431	Operations Management	3	

Acct 325 Managerial Accounting GB 321 Business Statistics I GB 405 Statistical Quality Control MM 352 Human Resource Management MM 354 **Total Quality Management**

Two additional courses selected from:

Promotional Strategy MM 401 MM 412 Marketing Management

MM 452 Strategic Management (WI)

*Students obtaining an A.S. in computer science may not choose MM 237 as a required elective.

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MIMS

Matthews Hall 302, (417) 625-9319

Bachelor of Science in Management Technology with an Emphasis in **Manufacturing Information Management Systems** (MIMS)

The School of Business Administration, in cooperation with the School of Technology, offers the bachelor of science in management technology with emphasis in manufacturing information management systems (MIMS).

The emphasis area is designed to recognize the revolution in the management of materials, production processes, personnel and information which has taken place in the last decade. This program takes advantage of the existing excellence Missouri Southern has achieved in the CADD and CAM areas and combines it with the latest advances in the business area as presented by course work in the School of Business Administration.

Students who complete this combination of courses will have been exposed to the new "World Class Management Technology" which will characterize manufacturing competition well into the next century.

MIMS Emphasis

	Semester H	lour
Core Curr	iculum (p. 43)	51
Associate	of Science degree in	
Technical	Studies and approval	36
School of	Business Total	21
Acct 201	Prin of Accounting I	3
GB 321	Business Statistics	3
Econ 202	Prin of Economics-Micro	3
	(Core Requirement)	
MM 350	Prin of Management	3
MM 354	Total Quality Management	3
GB 405	Statistical Quality Control	3
MM 431	Operations Management	3

School of Technology Total	21
MIMS 310 Computer Production	
Planning/Control	3
MIMS 320 Applied Quality Control	3
MIMS 350 Industrial Supervision	3
CIS 315 Networking	3
MIMS 420 Manufacturing Computer	
Applications	3
MIMS 450 Electronic Data Systems	3
MIMS 490 Manufacturing Applica-	
tions	3
	129

For additional information on MIMS degree: Dean of School of Technology (See page 167 for course descriptions) Office: EMS Building

Phone: (417) 625-9328

Students should consult the Dean of the School of Technology at the earliest possible date in order to incorporate the correct sequence into the appropriate associate of science degree program.

Suggested Order of Study

Bachelor of Science in Management Technology with an emphasis in Manufacturing Information Management Systems (MIMS)

Junior Year		
1st Semeste	er	
Course		Hour
MIMS 310	Comp Prod Plan/Control	3
Acct 201	Prin of Accounting I	3
GB 321	Business Stats I	3 3
MM 350	Prin of Management	3
CORE	[Eng 102 Comp II]	3
CORE	[Econ 201 Econ-Macro]	3
		18
2nd Semest	ter	
MM 354	Total Quality Mgmt	3
GB 405	Statist Quality Control	3
MIMS 420	Mfg Computer Appl	3
CORE	[Fine Arts/Humanities]	3
CORE	[Bio 101 Gen Biology]	4
CORE	[GB 310 Intro to Business]	3
		19
Senior Year	r	
1st Semeste	er	
CIS 315	Lan Mgmt	3
MM 431	Operations Mgmt	3
MIMS 320	Applied Stat Quality Ctrl	3

MIMS 320 Applied Stat Quality MIMS 350 Ind Supervision (Fine Arts/Humanities)

COKE	[Fine Arts/Humanities])
		15
2nd Semest	ter	
Econ 202	Prin of Econ-Micro	3
MIMS 450	Electronic Data Systems	3
MIMS 490	Mfg Appl	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Hist 120/320]	3
		15

For additional information contact:

Dean of School of Business Administration

Office: Matthews Hall 302 Phone: (417) 625-9319

Course Descriptions

MM 237 (F, S)

3 hrs. cr.

Managerial Data Processing

Principles of information processing in the business environment. Covers components of personal and business information systems and introduction to DOS/Windows and industry standard application software packages (i.e. word processing and spreadsheet). Includes hands-on use of microcomputers.

MM 300 (F, S) 3 hrs. cr.

Principles of Marketing

Survey of major marketing methods, institutions and practices. Retailing, wholesaling, distribution channels, marketing legislation, advertising, marketing research and marketing cost are treated from the standpoint of consumers, middlemen and manufacturers. Prerequisite: Econ 202.

MM 312 (F) 3 hrs. cr.

Retailing

Principles of successful retail management, including managing retail operations, administration and control, location analysis, merchandising, promotion and review of the retail environment; with analytic and research methods applicable to retail problems. Prerequisite: MM 300.

MM 321 (F) 3 hrs. cr.

Salesmanship

Principles and methods of effective personal and industrial selling. Stresses practical aspects through actual sales presentation by the students who may be videotaped and critiqued according to basic selling principles. Prerequisite: MM 300.

Management Information Systems

Familiarizes business students with management information systems, including proper selection of software and hardware components. Prerequisite: MM 237 or CIS 115 and 120.

134 / MIMS, Marketing

3 hrs. cr. MM 350 (F. S)

Principles of Management (Writing Intensive) A study of the planning, organizing, leading and controlling functions of management including global, social responsibility and ethical management challenges. Prerequisite: Eng 101/102) or Eng 111 & Junior standing.

MM 352 (F, S) 3 hrs. cr.

Human Resource Management

Principles and practices of management with emphasis on the human factors, including procurement, development and maintenance of an effective work force. Prerequisite: MM 350 or consent of instructor.

MM 354 (F, S) 3 hrs. cr.

Total Quality Management

Total Quality Management (TQM) is an overview of an evolving philosophy for continuous improvement of products, process and services to enhance quality while reducing costs. It is a management/technical/cultural approach to the integration of all systems and processes of an enterprise to achieve "customer" satisfaction. Prerequisite: MM 350, GB 321 or consent of instruc-

MM 401 (S) 3 hrs. cr.

Promotional Strategy

Description of fundamental advertising and promotional principles and their application in mass marketing. Analysis of advertising media, the preparation of advertising and formulation of campaigns. Prerequisite: MM 300.

MM 405 3 hrs. cr.

Virtual Marketing

Addresses the new technological environment that marketers are facing by introducing strategic considerations related to technology and technology implementation. Explores the basics of marketing exchange utilizing the information highway, multimedia techniques, database marketing, and interactive telecommunications, also gives students hands on experience with relevant software. Prerequisites: Principles of Marketing, Managerial Data Processing (or equivalent).

MM 410 (F, S) 3 hrs. cr.

Small Business Management Practicum

A practical course in solving real problems in an actual business environment. Students provide counseling to small business firms through cases referred by the Small Business Administration. Course may be repeated for a total of six hours of credit. Prerequisite: Second semester junior or senior standing in business administration and permission of instructor. Application for admission to the course is required. Formerly GB 410.

MM 411 (Demand)

Labor Law

Significant legislation and the accompanying case decisions which have a major impact on labor/ management relations. Primary emphasis on the Labor-Management Relations Act, as amended, with special attention to establishment of the bargaining unit and unfair labor practices of both labor and management. Secondary emphasis on Fair Employment practices. Prerequisite: Junior standing. Formerly GB 411.

MM 412 (F) 3 hrs. cr.

Marketing Management

Managerial aspects of marketing: problems involved in goal setting, planning and strategies as they apply to product policy, pricing objectives, promotional objectives, distribution policy and marketing intelligence. Prerequisites: MM 300 and

3 hrs. cr. MM 431 (F)

Operations Management

Principles and decision analysis related to the effective utilization of the factors of production and operations in manufacturing activities for both intermittent and continuous systems. The study of operations management, analytical models and methods, facilities design and the use of computer modeling for control systems for effective production operations. Prerequisite: GB 321, Business Statistics I.

MM 432 (Demand)

Consumer Behavior

An interdisciplinary approach to the analysis and interpretation of consumer buying habits and motives and the resultant purchase of goods and services. The purchaser's psychological, economic and socio-cultural actions and reactions are stressed. Prerequisite: MM 300.

MM 441 (F, S) 3 hrs. cr.

Organizational Behavior

A study of the organization, human behavior in organizational settings and the interface between them. Prerequisite: MM 350, Senior standing.

MM 450 (Demand) 3 hrs. cr.

The Psychology of Human Resource

Management

Traditional areas of human resource management/ organizational psychology are addressed, including group interaction, communication, attitudes, interviewing, compensation and benefits and the legal environment. An interdisciplinary approach will be taken. The contents will be presented using both theory and experimental methods.

MM 452 (F, S) 3 hrs. cr. **Strategic Management** (Writing Intensive) A capstone course integrating business disciplines with formal analyses of the organization's macro and industry environment; mission and goals; and strategy formulation, implementation and control using the case approach method. Prerequisites: Senior standing, MM 300, MM 350, Econ 350; must be taken during the last year of college work.

MM 470 (S)

Marketing Research

The systematic gathering, recording, analyzing and presentation of data relating to market analysis, sales analysis, consumer research, advertising research and attitude research. Prerequisites: GB 321 and six hours of marketing.

1-8 hrs. cr. MM 491 (F, S)

Internship in Marketing/Management

An internship for senior marketing/management students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval.

MM 498 (Demand)

Seminar in Marketing and Management

Seminar for upper division marketing and management or related majors with topics to be announced each time the course is offered. Prerequisite: Senior standing or permission.

MM 499 (Demand) 1-3 hrs. cr. Independent Study in Marketing and Management

Individually directed readings, research and discussions in selected areas of marketing and management for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: GPA of 3.0 in major field and permission.

Marketing

Matthews Hall 309H, (417) 625-9702

Faculty Blades, Cragin, Johnson, Kleindl, Miller

The B.S.B.A. with the marketing emphasis is intended to prepare graduates for positions in retailing, sales management, promotion, research and general administration.

Bachelor of Science in Business Administration with an Emphasis in Marketing

		Semester	Hours
Core F	lequ	uirements (p. 43)	51
Busine	ss (Core (p. 123)	39
Marke	ting	Emphasis	9
MM 4	12	Marketing Management	3
MM 4	32	Consumer Behavior	3
MM 4	70	Marketing Research	3

Choose Three [Optional Classes]		
MM 312	Retailing	3
MM 321	Salesmanship	3
MM 401	Promotional Strategy	3
MM 405	Virtual Marketing	3

MM 49 Acct 32	nended) 0 Small Bus. Practicum 1 Internship 5 Managerial Accounting	20 3 3 3 128	2nd Semes GB 320 MM 312 MM 321 Econ 350 Electives	consultation with adviser from courses numbered 300 or above within the School of Business Administration ster Business Comm (WI) Retailing Salesmanship Financial Management (must be selected in consultation with adviser from courses numbered 300	3 15 3 3 3 3
Business Major Co	of Science in Administration ode 0505 g Emphasis			or above within the School of Business Administration)	6 18
Farabassa	V		Senior Yea	nr	
Freshman 1st Semest Course CORE CORE CORE CORE CORE CORE Psy 120	ter	Hours 3 3 3 4 2	1st Semest MM 401 MM 412 CORE CORE		ed)3
		16			
2nd Semes CORE CORE CORE CORE CORE	[Eng 102 Comp II] [Phys 100 Fund of Phys Sci] [Comm 100 Oral Comm] [Psy 100 or Soc 110] [Kine 101 Physical Activity]	3 5 3 3 1	2nd Semes MM 432 MM 452 MM 470 Electives	Consumer Behavior Strategic Management (WI) Marketing Research	3 3 7 16 128
Sophomor	re Year		[Departme	nt Recommendations]	
1st Semest Acct 201 CORE MM 237 CORE		3 3 3 3 3	Dr. Holla Office: N	onal information contact: nd Blades fatthews Hall 309H 17) 625-9702	
2nd Semes Acct 202 Econ 202 CORE CORE Elective	Prin of Acct II Prin of Econ-Micro [Literature (Eng 261, 262, 271, 272, 281 or 282)] [Hist 120 American History] (must be selected in consultation with adviser from courses numbered 300 or above within the School of Business Administration)	3 3 3 3			
Junior Yea 1st Semeste GB 301 GB 321 MM 300 MM 350 Advanced	r	3 3 3 3 3			

Schoolof Education Kinesiology Psychology Teacher Education

School of Education

School Dean

Michael John Horvath Taylor Hall 220, 625-9314

Degrees and Majors

Bachelor of Art

Psychology

Bachelor of Science

Health Promotion and Wellness Psychology

Bachelor of Science in Education

Elementary Education Middle School Education Physical Education Secondary Education

Role

The School of Education is comprised of three departments: Kinesiology, Psychology, and Teacher Education. The combined role of these departments involves mentors and scholars dedicated to human development and to shaping communities. Additionally, the school provides support courses in physical education and psychology for the core curriculum. All departments prepare students for professional careers and/or graduate school.

The faculty serve as professional mentors for their students by demonstrating current practices that have been developed from research. The faculty also contribute to the scholarly community through research and writing within their disciplines. The goal of the school is to provide an environment where scholars can expand their knowledge and apply new skills to shape communities.

Specific goals include:

- To acquire a working knowledge and competency in the philosophical foundation of the discipline;
- To provide cognitive, affective, and psychomotor learning in communication, problem solving, and values clarification;
- 3. To develop an understanding of how humans grow and develop. This understanding includes the theoretical basis for development and how this relates to behavior;

- To internalize an awareness of the cultural diversity that exists in society and to provide knowledge relative to the contribution made by various cultures;
- To integrate and apply technology relative to research and professional productivity;
- To develop awareness in the assessment of developmental and behavioral problems;
- To develop humanitarian values, professional attitudes, and ethical standards.

Kinesiology

Robert E. Young Gymnasium 212 625-9316

Faculty Nelson - Head, Beard, Beeler, Conklin, Cooke, Corn, Evans, Frazier, Green, Hobbs, Lantz, Lipira, Oldham, Rutledge, Scheible, Townsend, Traywick, Turner, Vavra, Wilson

The department of kinesiology offers programs which prepare students for a variety of careers, including (1) physical education, (2) health promotion and wellness, (3) sports medicine/athletic training, and (4) coaching.

Physical Education

Students who desire certification as a teacher of physical education may become qualified at both the elementary and secondary level (K-12). Physical education K-12 majors should refer to page 146 where the requirements for Missouri Southern's teacher education program are described.

Health Promotion and Wellness

Students in the department of kinesiology may pursue a Bachelor of Science degree in Health Promotion and Wellness. Graduates in this major will be prepared to work with people and teach life-style strategies to prevent illness and improve the quality of life.

An important component of this course of study involves practical experiences with area businesses, hospitals, and the College's Wellness Program. Subsequent to the completion of the program, graduates may seek professional opportunities in the following areas:

- hospital health promotion/wellness programs
- corporate fitness/wellness programs
- · fitness clubs
- YMCA, YWCA
- · private trainer/wellness consultant
- graduate school
- certification from the American College of Sports Medicine

Students who wish to pursue the degree in Health Promotion and Wellness must have a cumulative GPA of 2.75 for all college course work prior to admission into Kine 495, Internship in Wellness.

Sports Medicine/Athletic Training

The department's Sports Medicine/Athletic Training Certification Program qualifies a student to take the national examination administered by the National Athletic Trainers Association (NATA). Subsequent to successful completion of this examination, the student is a Certified Athletic Trainer (AT,C). The program includes 1500 hours of clinical experience in the Missouri Southern Athletic Training Department.

Admission into the Sports Medicine/Athletic Training Certification Program is competitive and not all who apply will be accepted.

Application Requirements:

- Completed application submitted to the Director of Sports Medicine/Athletic Training Certification Program (April 1 deadline).
- 2. Submission of official transcripts of high school and college courses.
- Written narrative entitled "Why I chose Athletic Training as my career goal".
- 4. Three letters of recommendation
- 5. Personal interview.

Selection Process:

- 1. High school cumulative GPA.
- 2. ACT score 21 minimum.
- 3. Review of written narrative.

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- Letters of recommendation.
- Previous athletic training experience. 5.

Retention Requirements:

- Cumulative GPA of 2.5 or higher.
- GPA of 2.75 or higher in Sports Medicine/Athletic Training Certification courses.
- Clinical evaluation of 3 or higher by Program Director (scale of 5).

Students who do not meet all criteria will be placed on probation for one semester and forfeit all financial aid from the Athletic Training Department. If at the completion of the probationary semester all standards still have not been met, the student will be dismissed from the Sports Medicine/Athletic Training Certification Program.

Coaching

Students majoring in any teacher education program may seek a minor in coaching. The 21 hour minor provides preparation for entry into coaching.

General Information

It is the policy of the department of kinesiology that majors and minors must be ambassadors of fitness and healthy life-styles. All majors should be conscientious of, and will be assessed on, cardiovascular function, muscular strength and endurance, flexibility, and body composition. Students majoring in kinesiology are required to dress appropriately (as indicated in the class syllabus) for all classes involving physical activity. Majors are strongly encouraged to become involved with professional clubs and organizations at the departmental, state, and national levels. Finally, departmental majors studying physical education K-12 will not receive endorsement for admission to the Teacher Education Program with any kinesiology grade lower than a "C".

The department's programs of study reflect guidelines from the American Alliance for Health, Physical Education, Recreation, and Dance, the National Association for Sport and Physical Education, Missouri Department of Elementary and Secondary Education, the NATA, the National Wellness Association, the American Red Cross, and reguirements from the School of Education at Missouri Southern State College.

Programs 1. Bachelor of Science

in Education With a Major in Physical Education K-12

in Physic	cal Education K-12				
Semester Hours					
	rements (p. 43)	48			
Physical Edu	uc Requirements	48			
Bio 306	Human Physiology				
	and Anatomy	5			
Kine 113	Wellness for				
	Physical Educators	2			
Kine 114	Fitness Programming				
	and Assessment	2			
Kine 251	Lifetime Activities I	3			
Kine 252	Lifetime Activities II	3			
Kine 255	Theory & Technique				
	of Dance & Exercise	2			
Kine 310	Theory & Technique of				
	Elementary Physical Educ I	3			
Kine 312	Theory & Technique of				
	Elementary Physical				
	Education II	3			
Kine 321	Theory & Technique of				
	Secondary Physical				
	Education	3			
Kine 332	Rhythmic Form and				
	Analysis	2			
Kine 335	History and Philosophy				
	of Physical Education	2			
Kine 340	Motor Learning in				
	Physical Education	2 3			
Kine 342	Kinesiology	3			
Kine 345	Tests and Measurements				
	in Physical Education	2			
Kine 365	Psychological Aspects				
	of Physical Education	2			
Kine 366	Social Aspects of	0			
1/1 275	Physical Education	2			
Kine 375	Adapted Physical	2			
IC: 121	Education	2 2			
Kine 431 Kine 450	Physiology of Exercise Prevention and Care	2			
Kine 450		3			
Duofossiona	of Injuries I Certification)			
Requiremen		37			
Educ 100	Orientation to Educ. I	1			
Educ 200	Orientation to Educ. I	1			
Educ 301	Use of Computer Software	-			
Luuc 301	in the Classroom	3			
Educ 321	Microteaching	2			
Educ 329	Pedagogical Theory,	_			
Lade 323	Methods and Practice	4			
Educ 338	Teaching Physical Educ.				
Lade 550	in Secondary School	2			
Educ 402	Foundations of Educ.	2			
E.L. 422	Tarabia and dia a in	7			

Teaching reading in Secondary School

Educ 422

Educ 423	Classroom Management	2
Educ 432	Critical Issues in Educ.	2
Educ 464	Student Teaching -	
	EL-SEC (PK-12)	8
Psy 302	The Exceptional Child	2
Psy 305	Developmental Psychology	4
Psy 310	Educational Psychology	2
TOTAL	, , , , ,	134

Suggested Order of Study

Bachelor of Science in Education Physical Education PK-12 Code 0822

Freshman Y	ear	
Fall Semest	er	
Course		Hours
Kine 113	Wellness for Physic Educators	2
Eng 101	College Composition I	3
Educ 100	Orientation to Education I	1
Psy 100	General Psychology	3
Psy 120	College Orientation	1
Bio 121	General Zoology	4
Comm 100	Oral Communication	3
		17
Spring Seme	ester	
Kine 114	Fitness Prog & Assessment*	2
Eng 102	College Composition II*	3
Phys 100	Fund of Physical Science	5
CORE		6
		16
Sophomore	Year	
Fall Semeste	er	
Kine 251	Lifetime Activities I*	3
Educ 200	Orientation to Education II	1
Bio 306	Human Phys & Anatomy*	5
Psy 310	Educational Psychology*	2

Spring Sen	nester	
Kine 252	Lifetime Activities II*	3
Kine 255	Theory/Tech of Dance/Exercise*	2
Kine 335	History/Philosophy of P.E.*	2
Psy 302	The Exceptional Child*	2
CORE		9
	1	8

CORE

Junior Von

Julioi Teal		
Fall Semest	er	
Kine 310	Theory/Tech of Elementary P.E. I*	3
Kine 321	Theory/Tech of Sec P.E.*	3
Kine 332	Rhythmic Form and Analysis*	2
Kine 340	Motor Learning in P.E.*	2
Psy 305	Developmental Psychology*	4
CORE		3

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Spring Sem	ester	
Kine 312	Theory/Tech of Elem P.E. II*	3
Kine 342	Kinesiology*	3
Kine 345	Tests/Measurements in P.E.*	2
Kine 366	Sociological Aspects of P.E.*	2 2 4
Educ 329	Ped Theory, Meth & Prac#	4
Educ 321	Microteaching#	2
Educ 423	Classroom Management#	2
		18
Senior Year	,	
Fall Semest	er	
Kine 365	Psy Aspects of P.E.*	2
Kine 375	Adapted Physical Educ.*	2
Kine 431	Physiology of Exercise*	2
Kine 450	Prevention & Care of Injuries*	
Educ 301	Computer Software	3
Educ 422	Tchng Rdng in Sec Schools	2
CORE		3
		17
Spring Sem	ester	
Educ 338	Teaching Physical Educ.	2
Educ 402	Foundations of Education	2
Educ 432	Critical Issues in Educ.	2
Educ 464	Student Teaching	8
		14
* Note prer	equisite(s)	
	on for Junior Block courses one	
semester in		

2. Bachelor of Science in Health Promotion and Wellness

Semester Hours

Core Requi	irements (p. 43)	47
	ollege Orientation	1
	motion and Wellness	
Requi	rements	77
Bio 306	Human Physiology and	
	Anatomy	5
Econ 202	Principles of Economics	3
GB 320	Business Communication	3
MM 300	Principles of Marketing	3
MM 350	Principles of Management	3
MM 352	Human Resource	
	Management	3
MM 441	Organizational Behavior	3
Comp 105	Introduction to	
	Microcomputer Use	3
Psy 221	Psychology of Personal	
	Adjustment	3
Psy 343	Human Sexuality	3
Kine 113	Wellness for Physical	
	Educators	2
Kine 114	Fitness Programming and	
	Assessment	2
Kine 220	First Aid (CPR)	2
Kine 251	Lifetime Activities I	3
Kine 252	Lifetime Activities II	3
Kine 255	Theory and Technique of	
	Dance and Exercise	2

Kine 292	Fitness and Weight	
	Training	1
Kine 295	Orientation to Health	
	Promotion and Wellness	1
Kine 305	Aging and Health	2
Kine 340	Motor Learning	2
Kine 342	Kinesiology	3
Kine 345	Tests and Measurements	
	in Physical Education	2
Kine 375	Adapted Physical	
	Education	2
Kine 385	Nutrition for Human	
	Development	3
Kine 395	Practicum in Wellness	2
Kine 431	Physiology of Exercise	2
Kine 432	Physiology of Exercise	
	Laboratory	2
Kine 450	Prevention and Care of	
	Injuries	3
Kine 495	Internship in Wellness	6
Electives	(3 hou	urs)
TOTAL	1	28

NOTE: Students in the Health Promotion and Wellness Program must take Math 140 during the Core Curriculum. A minimum of 128 hours are required for graduation. Students in this program should consider the following courses as electives: Bio 380, Bio 431, Chem 101, Chem 300, Chem 351, Kine 160, Kine 451, Soc 291, and Soc 354.

Suggested Order of Study

Bachelor of Science Health Promotion and Wellness Code 6000

Freshman Year			
Course		Hours	
Fall Semest	er		
Kine 113	Wellness for Phys Educators	2	
Eng 101	College Composition I	3	
Comm 100	Oral Communication	3	
Bio 121	General Zoology	4	
Math 140	Algebra and Trigonometry	5	
Psy 120	College Orientation	1	
		18	
Spring Sem	ester		
Kine 114	Fitness Prog & Assessment*	2	
Eng 102	College Composition II*	3	
Comp 105	Intro to Microcomputer Use	3	
Psy 100	General Psychology	3	
CORE		6	
		17	

Sophomore	e Year	
Fall Semest	ter	
Kine 220	First Aid (CPR)	2
Kine 251	Lifetime Activities I*	2
Bio 306	Human Phys and Anatomy*	5
Econ 202	Principles of Economics*	3
Psy 212	Psy of Personal Adjustment*	3
		16
Spring Sem	ester	
Kine 252	Lifetime Activities II*	3
Kine 255	Theory/Tech of Dance/Exercise	* 2
MM 300	Principles of Marketing*	3
Phys 100	Fund of Physical Science	5
CORE		3
		16
Junior Year	r and the second second	
Fall Semest		
Kine 292	Fitness/Weight Training	1
Kine 295	Orient. to Health Prom/Wllns*	1
Kine 340	Motor Learning in P.E.*	2
Kine 431	Physiology of Exercise*	2
Kine 432	Physiology of Exercise Lab*	2
MM 350	Principles of Management*	3
CORE		3
		14
Spring Sem	nester	
Kine 305	Aging and Health*	2
Kine 342	Kinesiology*	3
Kine 345	Tests/Measurements in P.E.*	2
GB 320	Business Communication*	3
CORE		6
		16

Senior YearFall Semester

i all sellies	lC1	
Kine 375	Adapted Physical Educ.*	2
Kine 385	Nutrition for Human Dev*	3
Kine 395	Practicum in Wellness*	2
Kine 450	Prevention/Care of Injuries*	3
MM 352	Human Resource Managemen	nt* 3
Psy 343	Human Sexuality*	3
		16
Spring Sem	nester	
Kine 495	Internship in Wellness*	6

6 **15**

MM 441 Organizational Behavior*

* Note prerequisite(s)

CORE and Electives

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3. Sports Medicine/Athletic Training Certification Program

Semester Hours

	Semester	iouis
Bio 201	Human Anatomy	4
Bio 301	Human Physiology	4
Kine 220	First Aid (CPR)	2
Kine 342	Kinesiology	3
Kine 385	Nutrition for Human	
	Development	3
Kine 431	Physiology of Exercise	2
Kine 450	Prevention and Care of	
	Injuries	3
Kine 451	Advanced Athletic	
	Training	2
TOTAL		23
(plus 1500	hours clinical experience)	

4. Minor in Coaching

Semester Hours

	and matering	9		
Kine 150	Rules and Officiating	3		
Kine 342	Kinesiology	3		
Kine 431	Physiology of Exercise	2		
Kine 450	Prevention and Care			
	of Injuries	3		
Select a m	ninimum of five hours from t	he		
following:	following:			
Kine 260	Theory of Basketball	2		
Kine 261	Theory of Football	2		
Kine 262	Theory of Track and Field	2		
Kine 263	Theory of Volleyball	2		
Kine 264	Theory of Baseball	2		
Kine 265	Theory of Coaching Soccer	1		
TOTAL		21		

Human Physiology

and Anatomy

Course Descriptions

Kine 100 (F) 1 hr. cr.

Individual Physical Education

Adapted physical activity based on needs and ability of student. Students with certified medical disabilities may meet Core Curriculum requirement for physical education activity by completing this course.

Kine 101 (F,S) 1 hr. cr.

Introduction to Physical Activities

Fundamental skills in individual or dual physical activities. Required course for Core Curriculum. Course meets twice each week.

Kine 103 (F,S)
Lifetime Wellness

Contemporary information about the beneficial effects of a positive health life-style and how to implement and live such a life-style. Required course of Core Curriculum.

Kine 113 (F) 2 hrs. cr.

Wellness for Physical Educators

Contemporary information about the beneficial effects of a positive health life-style and how to implement and live such a life-style. Required for and limited to Kine majors.

Kine 114 (S) 2 hrs. cr. Fitness Programming and Assessment

Designed to teach introductory theory and technique in exercise programming and testing. Techniques for conducting physical fitness assessments are studied. Tests of cardiorespiratory fitness, muscular strength and endurance, joint flexibility, body composition, and pulmonary capacity are addressed. Prerequisite: Kine 113.

Kine 150 (F,S) 3 hrs. cr.

Rules and Officiating of Team Sports
Knowledge and skills for officiating basketball,
volleyball, softball, baseball, and football; officiating laboratory required in some areas. Open to all
students.

Kine 160 (F) 3 hrs. cr.

Personal Health

Health problems on the individual, body mechanics, nutrition, drugs and drug abuse, sex hygiene, mental hygiene, and the cause and prevention of diseases. Not recommended for elementary education majors.

Kine 220 (F,S) 2 hrs. cr.

First Aid

Designed to complete the standard course of the American Red Cross in First Aid.

Kine 222 (F,S) 1 hr. cr.

Varsity Cheerleading

Activities: Cheerleading practice for cheers, chants, and stunts. Open only to MSSC cheerleaders; class meets twice each week.

Kine 251 (F) 3 hrs. cr.

Lifetime Activities I

Study of the skills and understanding of selected lifetime activities: games, sports, and recreational activities commonly found in the school physical education curriculum. Students demonstrate minimum levels of proficiency. Enrollment restricted to Kine majors. Prerequisite: Kine 114.

Kine 252 (S) 3 hrs. cr.

Lifetime Activities II

Skills and understanding of selected activities: sports and recreational activities. Students are required to demonstrate minimum levels of proficiency. Prerequisite: Kine 251.

Kine 255 (S)

Theory and Technique of Dance and Exercise Provides the prospective physical educator funda-

mentals necessary to teach areas of dance and exercise.

Kine 260 (S) 2 hrs. cr.

Theory of Basketball

2 hrs. cr.

Organization and management of the secondary school basketball program. Systems of offense and defense in basketball. Study of rules, training schedule, and problems arising during training and regular playing season.

Kine 261 (F) 2 hrs. cr.

Theory of Football

Attention to team play, systems of offense and defense, field strategy, discussion of the rules, training, and equipment.

Kine 262 (S) 2 hrs. cr.

Theory of Track and Field

Organization and administration of meets, coaching, physical conditioning, and training for each event in track and field programs.

Kine 263 (F) 2 hr. cr.

Theory of Coaching Volleyball

Organization and management of volleyball competition. Offensive and defensive systems, rules, strategies, drills, and fundamentals are studied.

Kine 264 (F) 2 hrs. cr.

Theory of Baseball

Organization and management of a school baseball program including individual techniques, team play, and problems in coaching baseball.

Kine 265 (on demand) 1 hr. cr.

Theory of Coaching Soccer

Organization and management of soccer competition. Systems of offense and defense, rules, strategy, and fundamentals of soccer are studied.

Kine 292 (F,S) 1 hr. cr.

Fitness and Weight Training

Aimed at developing a student's personal weight training and aerobics program. May be used to meet Core Curriculum physical activity requirement.

Kine 295 (F) 1 hr. cr.

Orientation to Health Promotion and Wellness

An orientation to health promotion and wellness. A 15 clock-hour field based component is a part of this class. Students will receive initial exposure to community and hospital health promotion and wellness programs as well as Southern's Wellness Program. Limited to Kine majors. Prerequisites: Kine 114 and Kine 220.

Kine 305 (S) 2 hrs. cr.

Aging and Health

Investigates the health status of the elderly in the United States, how the older population has changed from the past, and how it may change in the future. Explore how exercise can retard some of the effects of aging. Prerequisite: Kine 103 or Kine 113.

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Kine 310 (F)

3 hrs. cr.

Theory and Technique of Elementary **Physical Education I**

Procedures and techniques for planning and curriculum for elementary school physical education. Limited to Kine majors. Prerequisite: Kine 252.

Kine 311 (F,S)

2 hrs. cr.

Physical Education for the Elementary School Methods and materials needed for directing games,

skills, rhythm, and stunts for the elementary school child. Designed for elementary level teaching certificate candidates. Prerequisite: 30 hours.

Kine 312 (S)

3 hrs. cr.

Theory and Technique of Elementary **Physical Education II**

Analysis of basic movement patterns, basic skills, and rhythmic and game activities with detailed explanations of presentation to the elementary school child. Prerequisite: Kine 310.

Kine 321 (F)

3 hrs. cr.

Theory and Technique of Secondary **Physical Education**

Offers pedagogical considerations necessary to develop teaching methodologies relative to lesson plan construction, class organization, and evaluation of students. Teaching sessions will provide the opportunity to experience a variety of teaching methods and organizational styles. Enrollment restricted to Kine majors. Prerequisite: Kine 252.

Kine 325 (F,S)

1-8 hrs. cr.

Internship in Physical Therapy Procedures

Observation and participation in physical therapy procedures for patients in a medical facility. Prerequisites: one year of athletic training work, junior standing, and approval of departmental committee.

Kine 332 (F)

2 hrs. cr.

Rhythmic Form and Analysis

Analysis of dance forms showing how complex music and dance forms have evolved. Recommended for elementary education majors. Prereguisite: Kine 252 or permission.

Kine 335 (S)

2 hrs. cr.

History and Philosophy of Physical Education Changing role of physical education from past to

present as evidenced through the influence of the various philosophies. Prerequisite: Kine 252 or current enrollment in Kine 252.

Kine 340 (F,S)

Motor Learning in Physical Education

Study of motor learning to provide the teacher with the background necessary for identification of physical, mental, social, and emotional development of children and their effects on behavior movement. Recommended for teachers working with children with special problems. Prerequisite: 30 hours.

Kine 342 (S)

3 hrs. cr.

Kinesiological Approach to Movement

A kinesiological and mechanical approach to the structure and processes of human movement and their modification by inherent factors, by environmental events, and by therapeutic intervention. Students will develop a knowledge of human movement from a mechanical perspective. Prerequisite: Bio 306.

Kine 345 (S)

2 hrs. cr.

Tests and Measurements in Physical Education

Training and techniques of measuring and evaluating performance. Includes preparation and administration of skill and written tests along with statistical procedures for data analysis. Prerequisite: Psy 310.

Kine 365 (F)

2 hrs. cr.

Psychological Aspects of Physical Education (Writing Intensive)

Behavior exhibited in the learning of skills and physical performance related to psychological concepts connected with the demands of physical activities. Particular attention given to self-efficacy, motivation, and participation and their effect on physical performance and personal wellness. Prerequisite: Kine 252.

Kine 366 (S)

2 hrs. cr.

Social Aspects of Physical Education

Knowledge of the sociological aspects of physical activity relevant to physical education in schools. Particular attention given to the role of physical activity in social, ethical, and moral development of citizens. Prerequisite: Kine 252.

Kine 370 (F,S)

3 hrs. cr.

School Health Education (Writing Intensive) Study of the content, facilities and equipment needed for teaching school health and safety. Should be taken by all elementary education majors. Separate sections on health and nutrition for children. Prerequisite: Educ 329 or current enrollment in Educ 329.

Kine 375 (F)

2 hrs. cr.

Adapted Physical Education

Provides information and practices to assist professionals in designing and implementing approriate physical education for individuals with disabilities. Prerequisite: Kine 252 or permission.

Kine 385 (F,S)

3 hrs. cr.

Nutrition for Human Development

Nutrition associated with human development and performance, physiological and biochemical bases of nutrient absorption and utilization. Particular attention to evaluating and developing nutrition strategies for optimal child growth and development and exercise performance. Prerequisite: Bio 101 or Chem 100 or equivalent.

Kine 395 (F,S)

2 hrs. cr.

Practicum in Wellness

Students perform duties in the Missouri Southern State College Wellness Program. Experience will provide the student with the opportunity to apply skills and knowledge in the wellness program. Student and faculty will develop a contractual agreement for specific learning experiences in the practicum. Prerequisite: Kine 295.

Kine 431 (F)

2 hrs. cr.

Physiology of Exercise

For students already having prerequisite knowledge of human physiology. Emphasis on human responses to varying levels of physiological conditioning and the environment within which the exercise is taken. Includes physiological principles to better understand human physiology under exercise stress. Prerequisite: Bio 306.

Kine 432 (F)

Physiology of Exercise Laboratory

Lab activities for students having a background in physiology. Emphasis on equipment and techniques used in the assessment of human response to exercise. Prerequisite: Bio 306.

Kine 450 (F,S)

3 hrs. cr.

Prevention and Care of Injuries

Designed to provide knowledge related to prevention, care and rehabilitation of injuries. Laboratory experiences included. Prerequisite: Kine 342.

Kine 451 (S)

Advanced Athletic Training

A study of professional relationships, pharmacology, special problems in athletics, exercise programs, and specific injuries to the upper and lower extremities. Practical learning experiences included. Prerequisite: Kine 450.

Kine 470 (F)

2 hrs. cr.

Administration of Physical Education

Organization and management of health and physical education in schools, scheduling, personnel, curriculum, finances, equipment, and facilities. Study of intramural programs. Prerequisite: 20 hours of Kine.

Kine 495 (S)

6 hrs. cr.

Internship in Wellness

Extensive, off-campus internship providing opportunity for students to be an integral component of a wellness or health promotion facility. Students and on-site supervisor will develop a contractual agreement that provides specific learning experiences for the internship. Prerequisites: health promotion and wellness major, application for experience at least one semester in advance, and consent of department committee.

Kine 498 (on demand)

1-3 hrs. cr.

Seminar in Health or Physical Education

A thorough study of an advanced problem in health or physical education for selected students. Prerequisites: senior standing, permission of department head.

Kine 499 (F,S)

1-3 hrs. cr.

Independent Study

Research of a problem or field of study relating to kinesiology. Material, content, credit, and schedule to be arranged by the department head. Prerequisites: senior standing, 3.0 GPA in major and permission of department head.

The following courses may be repeated three times:

(F) - Varsity Football	1 hr. cr.
(F) - Varsity Basketball	1 hr. cr.
(F) - Varsity Volleyball	1 hr. cr.
(F) - Varsity Cross Country	1 hr. cr.
(S) - Varsity Track & Field	1 hr. cr.
(S) - Varsity Golf	1 hr. cr.
(S) - Varsity Baseball	1 hr. cr.
(S) - Varsity Softball	1 hr. cr.
(F) - Varsity Soccer	1 hr. cr.
(S) - Varsity Tennis	1 hr. cr.
(S) - Fitness & Weight Training	1 hr. cr.
	(F) - Varsity Basketball (F) - Varsity Volleyball (F) - Varsity Cross Country (S) - Varsity Track & Field (S) - Varsity Golf (S) - Varsity Baseball (S) - Varsity Softball (F) - Varsity Soccer (S) - Varsity Tennis

Psychology

Taylor Hall 206, 625-9315

Faculty Griffin-Head, Babbitt, Cole, Huffman, McDermid, Murdock, Paige

The psychology department offers two degrees: the bachelor of arts (B.A.) and the bachelor of science (B.S.). Both degrees have the same requirements in the core and psychology. The B.A. includes an emphasis on foreign language; while, the B.S. includes an emphasis in math or science. Both degrees prepare students for careers that require a broad liberal arts education at the bachelor's level. Recent graduates with the bachelor's degree (B.A. & B.S.) have entered careers in human and social services, research, and business. The B.A. and B.S. degrees provide an excellent foundation for students who wish to earn advanced graduate degrees in pursuit of a career in psychology. Almost half of the recent graduates have entered into master's or doctoral programs.

Many psychology courses are taken by students with other majors. PSY 100 fulfills a requirement in the Core Curriculum. Several degrees require supporting courses in psychology. Students may also obtain a minor in psychology.

Student Organizations

Psychology Club is open to all students who are interested in psychology. The club provides an informal setting for students to learn more about psychology. The club sponsors a wide variety of activities each semester.

Psi Chi is the national honor society in psychology. Psi Chi recognizes academic excellence and stimulates further scholarship. Psi Chi members are invited to participate in national and regional professional organizations. Locally the Psi Chi members share many activities with the Psychology Club.

Bachelor of Arts in Psychology

	Semeste	er Hours	
Core Regu	irements (p.43)	51	
Foreign La		12	
	Requirements	46	
	General Psy *	3	
Psy 305	Devel Psy (4)		
OR			
Psy 300	Child Dev (3)		
AND	(0)		
Psy 301	Adols Psy (3)	4-6	
	(0)	. 0	
Psy 320	Applied Statistics	3	
Psy 325	Computers in the		
	Behavioral Sciences	3	
Psy 330	Experimental Psy	5	
Psy 386	Learning Theory	3	
-,			
Psy 411	Psychology of Sensation	n	
,	And Perception		
OR	, mar eresperen		
Psy 415	Animal Behavior		
OR			
Psy 442	Physiological Psy	3	
,	r r y s r s r s g r c ar r s y	3	
Psy 341	Social Psychology		
OR	3, 6, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10		
Psy 422	Theories of Personality	3	
/	, , , , , , , , , , , , , , , , , , ,	9	
Psy 390	Junior Seminar	1	
Psy 443	Memory & Cognition	3	
Psy 452	History & Systems		
	of Psychology	3	
Psy 481	Senior Thesis	3	
Psychology		9	
Supporting Area			

The supporting area requires at least 15 hours in one of the following areas: music, economics/finance, English/literature, history, journalism, law enforcement, marketing/management, military science, political science, sociology, or other area approved by the adviser and the department.

Elective 10 **128**

*meets a 3 hour core requiement

Bachelor of Science in Psychology

,	Semester I	Hours		
Core Requirements (p.43) 51				
	Requirements	46		
Psy 100	General Psychology *	3		
Psy 305 OR	Devel Psychology (4)			
Psy 300 AND	Child Dev (3)			
Psy 301	Adolscent Psy (3) 4	6		
Psy 320	Applied Statistics for			
Psy 325	The Behavioral Science Computers in the	3		
,	Behavioral Science	3		
Psy 330	Experimental Psychology	5		
Psy 386	Learning Theory	3		
Psy 411	Psychology of Sensation And Perception			
OR				
Psy 415 OR	Animal Behavior			
Psy 442	Physiological Psychology	3		
Psy 341 OR	Social Psychology			
Psy 422	Theories of			
	Personality	3		
Psy 390	Junior Seminar	1		
Psy 443	Memory & Cognition 3			
Psy 452	History and Systems			
	of Psychology	3		
Psy 481	Senior Thesis	3		
Psychology		9		
Supporting	Area	15		

The supporting area requires at least 15 hours of one of the following areas: biology, chemistry, computer science, criminal justice, mathematics, physics, or other area approved by the adviser and the department.

Additional hours of science	9
Electives	10

^{*}meets a 3 hour core requirement

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Minor	in	Psycholo	ogy
		0 10	1

Psy 100	General Psychology 3
Psy 305	Developmental
	Psychology (4)
OR	
Psy 301	Adolescent Psychology (3)
OR	
Psy 300	Child Development (3) 3-4

Psy 320 Applied Statistics for the Behavior Science 3 Psychology Electives* 11-12

*Select with approval of a psychology adviser.

A minor in psychology complements many majors providing knowledge and skills concerning personal, interpersonal, and group behavior. A psychology adviser will help students minoring in psychology to select method and content courses appropriate to their goals.

Suggested Order of Study

General Psychology

Hours

Bachelor of Arts Major Code 2001

Psychology Major

Freshman Year 1st Semester

Course

Psy 100

Psy 120	College Orientation	1
CORE	[Eng 101 Comp 1] WI	3
CORE	[Math 110, 130, 131]	3
CORE	[Core Electives]	5
		15
2nd Semeste	er	
Psy 305	Developmental Psy	4
CORE	[Eng 102 WI (Eng 101)	3
CORE	[Bio 101 Gen Bio]	4
CORE	[Core Electives]	6
		17
Sophomore	Year	
1st Semeste	r	
Psy 320	Applied Stat (Psy 100)	3
Psy 341	Social Psychology*	
OR	,	
Psy 411	Sensation & Perception*	
OR		
Psy 415	Animal Behavior*	3
CORE	[Core Electives]	6
Foreign Lan	iguage	3
		15

2md Compostor			Sophomore '	Vear	
2nd Semester Psy 325	Comp in Behav Sci(Psy320) 3	1st Semester		
Psychology El		3	Psy 320	Applied Stat (Psy 100)	3
Supporting Ar		6	Psy 341	Social Psychology*	
	[Core Elective]	3	OR	Social 1 Sychology	
		3	Psy 411	Sensation & Perception*	
Foreign Langu	rage	18	OR	Sensation & rerecption	
		10	Psy 415	Animal Behavior*	3
			CORE	[CORE Electives]	6
Junior Year			Science	[CORE Electives]	3
1st Semester	F D \A/I (D 32F)	_	Science		15
Psy 330	Exper Psy WI (Psy 325)	5			13
Supporting A		3	2nd Semeste		
CORE	[Core Elective]	4	Psy 325	Comp in Behav Sci (Psy320)) 3
Foreign Langi	uage		,		3
		15	Psychology I Supporting A		6
0.10			CORE	[CORE Elective]	3
2nd Semester		1	Science	[COKE Elective]	3
Psy 390	Junior Seminar** WI	1	Science		18
Psy 442	Physiological Psy**				10
OR	TI	2	Innian Vaan		
Psy 422	Theories of Personality**	3	Junior Year		
Psy 386	Learning Theory (Psy 320)		1st Semester		E
Supporting A		6	,	Exper Psy WI (Psy325)	5
CORE	[Core Elective]	2	Supporting A	[CORE Electives]	6
Foreign Lang	uage	3	CORE	[CORE Electives]	3
		18	Science		17
					17
Senior Year			2 Composts		
1st Semester	I - 14 - 9 C - (D - 220)*	2	2nd Semeste	Junior Seminar** WI	1
Psy 451	Lrn,Mem&Cog(Psy330)*	3	Psy 390 Psy 442	Physiological Psy**	1
Psychology E	lective	6	OR	Filysiological Fsy	
Elective	ICORE Flactive	3	Psy 422	Theories of Personality**	3
CORE	[CORE Elective]	15		Learning Theory	3
		15	Psy 386		6
2-16			Supporting / CORE	[CORE Electives]	3
2nd Semester		2	CORE	[CORE Electives]	16
Psy 452	History & Sys (Psy330)** Senior Thesis WI	3			10
Psy 481 CORE	[CORE Elective]	3	Senior Year		
Electives	[CORE Elective]	6	1st Semester		
Electives		15	Psy 443	Mem & Cog (Psy 330)*	3
		13	Psychology		6
*Offered fall	semester only		CORE	[CORE Electives]	3
	ring semester only		Elective	[CORE LICEUVES]	3
(Prerequisites			Licetive		15
	Recommendations]				
[Department	Recommendations		2nd Semeste	er	
			Psy 452	His & Systems (Psy330)**	3
p. 1.1			Psy 481	Senior Thesis WI	3
Bachelor of			CORE	[CORE Elective]	3
Major Code			Electives	(5	6
Psychology	Major				15
Freshman Ye	ear		*Offered fal	I semester only	
1st Semester			**Offered s	pring semester only	
Course		Hours	(Prerequisite	es)	
Psy 100	General Psychology	3	[Departmen	nt Recommendations]	
Psy 120	College Orientation	1			
CORE	[Eng 101 Comp I] WI	3	Other Requ	irements	
CORE	[Math 110,130 or 131]	3	Nine hours	are required from math, c	omput
CORE	[CORE Electives]	5	science, ch	nemistry, biology and/or phy	ysics,
		15		all other requirements. These	e repla
2 nd C 1			the foreign	language requirement.	
2nd Semeste		4			
Psy 305	Developmental Psy	4 3	For addition	onal information contact:	
CORE	[Eng 102 (Eng 101)]WI	4	Dr. Betsy	Q. Griffin	
CORE CORE	[Bio 101 Gen Biology] [CORE Electives]	6		ylor Hall 209	
COKE	[CORL LIECTIVES]	4 =	Phone: 62		

Phone: 625-9306

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Course Descriptions

Psy 100 (F,S)

3 hrs. cr.

General Psychology

Introductory course stressing the importance of the psychological mechanisms underlying all human behavior. Satisfies the CORE Curriculum requirement.

Psy 100 (F)

3 hrs. cr.

General Psychology-Honors

Basically the same topics as general psychology above. Designed and specially taught for honors students. Other students permitted with consent of instructor.

Psy 105

1 hr. cr.

Self-Awareness and Career Planning

Materials and methods to help students investigate their present lifestyles including concrete methods of decision making and goal setting. Concentrated career/vocational choice sessions will help students determine an appropriate career. Offered during the second half of each semester. No credit toward psychology major.

Psy 120 (F,S)

1 hr. cr.

College Orientation

A requirement for all incoming freshmen. Provides a small group setting for open communication between students in an informal situation. Content focuses on practical knowledge necessary for academic survival, adviser assignment, and current issues of concern. Regular course withdrawal procedures do not apply. No credit toward psychology major.

Psy 201 (F)

1 hr. cr.

Crisis Intervention

Theory and methods of telephone crisis line (hotline) paraprofessional functioning: interview skills, ethics, dealing with specific types of callers and problems, resource review, and procedures and rules of Joplin Crisis Intervention, Inc. One hour lecture each week. Prerequisites: Sophomore standing and psychology major, or advance permission of instructor.

Psy 202 (F,S)

1 hr. c

Crisis Intervention Practicum

A continuation of Psy 201, Crisis Intervention. For one to three semesters, students function as Joplin Crisis Intervention paraprofessionals, attending JCI meetings, being on call on the JCI hotline, and meeting as a class twice monthly. Prerequisite: Psy 201.

Psy 221 (F,S)

3 hrs. cr.

Psychology of Personal Adjustment

Selected principles of adjustment, ways of improving adjustment and research of practical value. Some emphasis on assertion skills.

Psy 298 (Demand)

1 hr. cr.

Psy 330 (F,S) 5 hrs. cr

Experimental Psychology (Writing Intensive) The research process is the foundation for knowledge in the field of psychology. Laboratory course that stresses the acquisition of basic skills in conceiving and carrying out research, as well as analyzing results and writing reports in a professionally acceptable manner. Prerequisite or corequisite: Psy 325

Psy 300 (F,S)

mined by the department.

Special Topics in Psychology

3 hrs. cr.

Child Development

Behavior and growth patterns of children from conception to puberty. Psychological findings are presented which are relevant to how children learn, solve problems, and function in home and school environments. Prerequisite: Psy 100. No credit will be given if Psy 305 has been completed.

Special topics in psychology not normally in-

cluded in other courses. Prerequisites to be deter-

Psy 301 (F,S)

3 hrs. cr.

Adolescent Psychology

Development of the attitudes, interests, problems and adjustment of the adolescent. A foundation for the proper evaluation of adolescent behavior. Prerequisite: Psy 100. No credit will be given if Psy 305 has been completed.

Psy 302 (F,S)

2 hrs. cr.

The Exceptional Child

A series of awareness experiences which deal with the added complexities an exceptional child presents to a regular classroom teacher. Includes characteristics of the exceptional child, resources in the community, and legislation which determines school policy. Prerequisite: Psy 300, Psy 301, or Psy 305.

Psy 305 (F,S)

4 hrs cr.

Developmental Psychology

Aspects of human development during conception, infancy, childhood, transescence to adolescence will be examined, including, physical, emotional, social, and cognitive development. Emphasis will be given to theoretical frameworks and their practical implications. Cross-cultural variety will be included wherever appropriate. Prerequisites: Psy 100. No credit will be given if Psy 300 or Psy 301 have been completed.

Psv 310 (F,S)

2 hrs. cr.

Educational Psychology

Psychological problems involved in education and the practical application of psychological principles of teaching. Special emphasis on measurement, the nature of learning, and the environmental influences of behavior. Prerequisite: Psy 100.

Psy 320 (F,S)

(F,S)

3 hrs. cr.

Applied Statistics for the Behavioral and Natural Sciences

Includes descriptive and inferential techniques. Emphasis on the analysis and interpretation of data. Prerequisites: Psy 100 (or permission) and Math 110, 130 or 131.

Psy 325 (F,S)

3 hrs. cr.

rs. cr. Measurement and Evaluation in

Applications of computers in behavioral sciences with an emphasis on statistical analysis, data collection, and report generation. Prerequisite: Psy 320.

Computers in the Behavioral Sciences

Psy 341 (F)

3 hrs. cr.

Social Psychology

Introduction to the study of individuals' thoughts, feelings, and behaviors as they are influenced by their social environment, including interpersonal, intragroup, and intergroup influences. Prerequisite: Psy 100.

Psy 343 (Demand)

3 hrs. cr.

Human Sexuality

Surveys current research and theory related to human sexuality. Human sexual behavior and attitudes will be viewed from biological, psychological, historical, and cultural perspectives. Prerequisites: Psy 100.

Psy 382 (S)

3 hrs. cr.

Introduction to Behavior Management

Techniques of modifying human behavior through principles developed by learning psychology. Emphasis on design and implementation of behavioral strategy in the laboratory, as well as practical settings. Prerequisite: Psy 100.

Psy 386 (S)

3 hrs. cr.

Learning Theory

Leading theories and research in the field of learning. Both animal and human studies will be discussed. Topics include Non-Associative Learning, Classical Conditioning, Instrumental Learning, Stimulus Control of Behavior, Punishment, Avoidance Behavior, and Cognitive Processes. Prerequisite: Psy 320.

Psy 390 (S)

1 hr. cr.

Junior Seminar (Writing Intensive)
For Junior Psychology majors. Information &
experiences helpful in making decisions about
and preparing for careers, emphasizing preparation for either graduate school or baccalaureate
level employment. Corequisite or Prerequisite:
Psy 320.

Psy 411 (F, Even)

3 hrs. cr.

Psychology of Sensation and Perception

Includes classical and modern psychophysical techniques. The physiology of various sensory systems, e.g. vision and audition, are examined in order to appreciate the nature of perception. Prerequisite: Psy 100.

Psy 412 (F,S)

2 hrs. cr.

Education and Psychology
Theory and problems of measurement and evaluation. Practice in analyzing and interpreting test results and in preparing test items of various types.
Prerequisite: Psy 310 or consent of instructor.

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Psy 415 (F,Odd)

3 hrs. cr.

Animal Behavior

Classic studies and current research in animal behavior from a phylogenetic and ontogenetic perspective. Includes theoretical approaches, ethological methods, ethical concerns, sensory capacities, learning, cognition, and social behavior of animals. Field observations and experimental research for each topic. Field trips are planned to supplement lectures and discussions. Prerequisites: Psy 100 and Bio 101 or permission of the instructor.

Psy 422 (S)

3 hrs. cr.

Theories of Personality

Survey of major contemporary theories of personality, issues of personality assessment, and current research. Prerequisite: Psy 100 and junior standing.

Psy 432 (S)

3 hrs. cr.

Abnormal Psychology

Recognition and classification of the systems of mental disorders, specifying causes and possible therapeutic techniques. Extensive use of the American Psychiatric Association's Diagnostic and Statistical Manual of Mental Disorders. Prerequisite: Psy 100.

Psy 435 (F,Odd)

3 hrs. cr.

Clinical Psychology

Survey of history, current methods, guild issues and future developments of clinical practice. Seminar format with considerable student participation. Prerequisites: Junior standing and 15 hours of psychology.

Psy 442 (S)

3 hrs. cr.

Physiological Psychology

Structure and function of the nervous system from the individual neuron to the behavior of the organism. The biological basis of movement, sleep, homeostasis, sexual behavior, emotion, learning, language, and abnormal behavior will be examined from an ontogenetic and phylogenetic perspective. Prerequisite: Psy 100.

Psy 443 (F)

3 hrs. cr.

Memory and Cognition

Designed to acquaint the student with the major issues and current research finding in the area of memory and cognitive processes. General topics include sensory, short-term and long-term memory; psychology and law; and artifical intelligence. Prerequisite: Psy 330.

Psy 450 (S)

3 hrs. cr.

Psychology of Human Resources

An interdisciplinary approach to traditional areas of human resource management/organizational psychology, including group interaction, communication, interviewing, compensation and benefits, and legal environment. Experimental and theoretical methods will be used. Prerequisite: Psy 100 or MM350 or permission of instructor.

Psv 452 (S)

3 hrs. cr.

History and Systems of Psychology

Historical antecedents and their effects on contemporary scientific psychology. Prerequisite: Psy 330 or consent of instructor.

Psy 460 (Demand)

3 hrs. cr.

Advanced Research Projects

Advances the research skills in psychology beyond what is learned in Psy 330. Students will conceive, design, gather, and analyze the data and write up a naturalistic observation, a survey, or an experiment of their own choosing. Students will function as sole investigators or as members of a team. The final research project can serve as a pilot study for the students' senior thesis as well as provide a project for presentation at a professional research conference. Prerequisite: Psy 330 or permission of the instructor.

Psy 481

3 hrs. cr.

Senior Thesis (Writing Intensive)

Students design and conduct research projects resulting in a written thesis and an oral presentation. Prerequisite: Psy 330 and Senior Standing.

Psy 498 (Demand)

1-3 hrs. cr.

Seminar in Psychology

Specialized knowledge and/or current research in psychology. Topics vary by interest and demand. Number of weekly meetings equal to credit hours granted. Prerequisite: Junior-senior standing and consent of instructor. Some seminars are marked (H) in the class schedule and are intended for honors students. Other students may enroll in honors seminars with consent of instructor.

Psy 499 (Demand)

1-3 hrs. cr.

Independent Study

Course structured by adviser with approval of department head. Prerequisite: Advanced standing in major field. Registration must be approved by adviser and department head.

Teacher Education

Taylor Hall 232, 625-9309

Faculty Smith-Head, Banks, Deacon, Fagundes, Leverett, McConnell, Neufeld, Overdeer, C. Pulliam, D. Pulliam, Scholl, Spencer, Vieitez

All teacher education programs have been approved by the Missouri Department of Elementary and Secondary Education (DESE) and accredited by the National Council for the Accreditation of Teacher Education (NCATE).

Program Objectives

Objectives for all programs in teacher education can be found in the <u>Teacher Education Program Policy Handbook For Faculty</u> and in the <u>Teacher Education Program Policy Handbook for Students</u>. Objectives for the student teaching program can be found in the <u>Policy Handbook for Student Teachers</u>, <u>Cooperating Teachers</u>, and <u>College Supervisors</u>.

Teacher Education

The descriptions of the teacher education programs and the requirements that are listed for each program in teacher education in this catalog are subject to change during the period that this catalog is in use. As changes are made by the State Department of Elemenary and Secondary Education, legislative and regulatory bodies, and accrediting agencies, students in the program will be alerted through the advising process. Teacher education students are responsible for their programs of study. They are encouraged to obtain degree plan sheets for the program they are pursuing and work closely with their advisers.

Eligibility for current certification is a requirement for graduation.

The teacher education program consists of the Teacher Education Department as the governing unit, the Secondary Education Committee which oversees the programs in secondary education, the Teacher Education Council, and the Committee on Admissions and Retention.

The Teacher Education Department, in its function as the governing unit in teacher education, oversees all teacher education programs and is specifically responsible for the elementary education program grades 1 through 6, early childhood education program grades pre-kindergarten through grade 3, middle school program grades 5 through 9, reading education program grades K through 12, and special education programs grades K through 12.

The Dean of the School of Education is the chief spokesman for the teacher education program and in this capacity is the chief administrator responsible for the teacher education programs. The dean serves under the direction of the President of the college, Senior Vice President, and the Vice President for Academic Affairs.

Teacher Education / 147

The teacher education program is based on a decision making model which defines the role of the teacher as an instructional decision maker. In this role, the teacher must make decisions about pedagogical design and lesson design. Decisions concerning pedagogical design include those regarding classroom management, curriculum development, field experiences, technology, and program evaluation. Decisions about lesson design include communications, use of science, technology, and the arts, problem solving, values clarification, intellectual domains, and social institutions. An extension of the role of the teacher as an instructional decision maker includes the teacher as a learner, provider of services, researcher, and change agent.

Central to the preparation for teaching is the conceptual framework, composed of knowledge, skills, and techniques that have been gathered from research, reported effective practices, and learned societies in such areas as human growth and development, learning theory, assessment, cultural diversity and special needs, curriculum content, psychological, sociological, historical, and philosophical foundations, principles of effective instruction, and school effectiveness.

In order to be an instructional decision maker, the teacher must possess certain knowledge, cognitive abilities, and pedagogical skills. These are included in the following 14 competency areas:

- to acquire a working knowledge and competency in the philosophical, sociological, and psychological foundations of education. This knowledge is used as a basis for decision making, instructional design, and educational planning;
- to develop an understanding of how the human grows and develops. This understanding includes the theoretical basis for development and how this relates to teaching and learning;
- 3. to apply theories of learning effectively. This application shall include the learning environment, learner attributes, and learning tasks;
- to provide cognitive, affective, and psychomotor learning in communication, problem solving, value clarification, social institutions, science and technology, and the arts;

- to internalize an awareness of the cultural diversity that exists in society and to provide knowledge relative to the contribution made by the various cultures to the American culture;
- to develop teaching expertise in the teaching specialty, which shall include both breadth and depth in subject matter and methods, techniques, and skills for teaching this subject matter;
- to develop instructional plans, strategies, and assessments basic to meeting individual needs of students that may be evident in cultural diversity, values clarification, and mental and physical exceptionalities;
- to acquire knowledge for the effective use of various classroom management systems and develop awareness of the strong relationship between classroom management practices and teaching effectiveness;
- to integrate and apply instructional technology in education, including microcomputers, laser disks, interactive video, CD-ROM, multimedia, information technology and networks, presentation hardware and software, and tape and film media in instruction, assessment, research, and professional productivity;
- to organize and manage an effective school environment, including the management of instructional experiences, instructional materials, and all other physical properties related to learning;
- to develop competency in the assessment of developmental and behavioral problems. The assessment competencies shall include instrumentation, administration, and interpretation. Interpretative skills shall include the use of assessments in educational planning;
- 12. to acquire knowledge and skills for reporting to, and working with, parents and parental support personnel. The reporting to parents shall involve accurate and effective communication, both in writing and orally, concerning the needs and progress of students. In addition, to provide the knowledge and skills to make referrals to community support systems and services for students needing intervention beyond the regular classroom instruction;

- 13. to interact with the learner in a learning environment that is rich in opportunities to observe practices, methods, and techniques as they apply to learning and the learner;
- 14. to develop plans for continuous professional growth and development, which includes self evaluation, performance based teacher evaluation, and other forms of peer evaluation. Opportunities and experiences for the personal development of high ethical standards will be provided.

Admission to the Teacher Education Program

After the student declares a major in education, two levels of admission to the teacher education program exist.

The first level is application for tentative formal admission.

Applications for formal admission to the teacher education program may be filed with the Dean of the School of Education after the student has declared an education major and successfully completed 55 semester hours of prescribed course work. The deadline for application is the third week in February for those seeking formal admission in the subsequent fall semester. The deadline for application for those seeking admission in the spring semester is the third week in October.

Students must have tentative formal admittance before courses can be taken in professional education. Courses with an EDUC prefix cannot be taken until the Junior Block (Educ 329, 321, & 423) has been completed, except for Educ 100, Educ 200, Educ 301, and Educ 302, which may be taken at any time. Educ 316, Educ 324, Educ 342, Educ 380, and Educ 480 may be taken concurrently with the Junior Block classes.

Qualifications for tentative formal admission include the following:

- 1. Submit a completed application that is signed by the student's adviser.
- 2. Have a cumulative GPA of 2.75 in all course work. All students in education must maintain a cumulative GPA of 2.5 in their teaching areas, e.g., art, mathematics, elementary education, etc.

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- 3. Pass all sections of the Missouri C-Base Test. (This test is not required of post baccalaureates.)
- 4. Have a composite ACT enhanced score of 20 or a SAT (VM) of 800.
- Submit a hand-written autobiography in correct and coherent standard English. The autobiography must be read and approved by the student's adviser.
- 6. Submit a passing evaluation in speech from the communications department.
- 7. Convicted felons must identify themselves by so indicating on the application for admission form. Upon identification the student will need to make certain documents and information available to the Admissions and Retention Committee of the Teacher Education Program, i.e., conviction status, probation information, recommendations from court and public officials associated with the conviction. This process must be repeated when application is made for student teaching. There is a process that convicted felons must follow before consideration is given for certification in the State of Missouri. Failure to identify oneself will cause the student to be removed from the program at once.

When students complete these qualifications, they will receive tentative formal admittance to the teacher education program and notification from the Dean. Students who fail to gain tentative formal admission also will be notified by the Dean. Reasons for failure to gain tentative formal admission will be stated, along with suggested corrective measures should the student wish to continue pursuing formal admission.

The second level is formal admission, which is granted after the student successfully completes the eight credit hour Junior Block: Educ 329, Pedagogical Theory, Methods, and Practices; Educ 321, Micro Teaching; and Educ 423, Classroom Management. The student must be recommended by the instructors of these courses. The student must maintain a cumulative GPA of 2.75. If at any point in the program a student's GPA drops below accepted levels, the student will be dismissed from the teacher education program.

Grades below a "C" in professional education courses will not be accepted for the degree requirements in teacher education. Students seeking certification in elementary education, middle school education, secondary education, special education, and early childhood education must have a grade of "C" or better in each of the courses in these certification areas.

Students qualifying for formal admission to the program will be notified in writing by the Dean. The date of formal admission will be entered on the student's record by the Registrar. Students who have not met the criteria will also be notified and corrective measures suggested.

Admission to Student Teaching

After completion of Educ 329, Pedagogical Theory, Methods, and Practices, but before the professional semester, students in early childhood education, elementary education, middle school education, and special education take approximately 26 or more hours of work in professional education and in a teaching specialty. During this time the student must maintain a cumulative GPA of 2.75 or better and a GPA of 2.5 or better in the teaching specialty. The student must earn a "C" or better in all professional education courses, and must retake courses in which a grade lower than "C" is earned. The student is expected to maintain those personal and professional requirements that were met as part of the admission requirements to teacher education. Requirements that must be met prior to admission to student teaching are:

- 1. Be fully admitted to the teacher education program.
- 2. Have a cumulative GPA of 2.75.
- 3. Have all previous course work completed at the time of student teaching.
- 4. Have a completed application for student teaching on file at least one semester prior to the student teaching semester.
- 5. Have a grade of "C" or better in each professional education course.
- 6. Have an approved typewritten autobiography on file. The autobiography must consist of two or more paragraphs.

7. Convicted felons must complete the form provided upon applying for admission to student teaching.

The student teaching program is intended for students who have met all of the requirements for student teaching at Missouri Southern State College.

Graduation Requirements

In order to graduate from the Teacher Education Program, the student must successfully complete the following exit requirements, in addition to all other academic requirements of the College:

- Demonstrate mastery of pedagogical knowledge and skills included in the 14 competencey areas which are all required of teacher education students.
- 2. Submit 5 pieces of the student's best work in the teacher education program for faculty authentic assessment review.
- 3. Have a cumulative GPA of 2.75 or higher.
- 4. Have a cumulative GPA of 2.5 or higher in the teaching specialty area.
- 5. Pass the Professional Knowledge Test of the National Teachers Exam.
- 6. Pass the Teaching Specialty Exam of the National Teachers Examination.
- 7. Successfully complete student teaching.
- As part of the authentic assessment procedures, each student must have a successful exit interview.
- Be eligible for current Missouri teacher cetification.

Advisement

Advisers will be assigned to students upon admission to the college. For those without advisers, freshmen with declared majors in teacher education will have an adviser assigned as part of Educ 100, Orientation to Education I, and sophomores declaring a major in teacher education will be assigned advisers in Educ 200, Orientation to Education II. It is strongly recommended that all education majors have advisers in their teaching specialty area, due to the many specific course requirements and entrance and exit requirements for teacher education.

Post-graduates holding Missouri certificates must have the Missouri State Department of Elementary and Secondary Education (DESE) evaluate their transcripts and make recommendations for course work that will lead to certification. After a plan sheet is received by the student, the requirements specified by DESE may be translated into MSSC courses by the Assistant Certification Officer in the Office of the Dean.

General Information

Students who select teacher education may choose from the following programs:

1. Elementary Education (grades 1-6) with a 21 hour concentration. Choose one:

Art Business English

Physical Education

Mathematics

Music

Reading

Science

Social Studies

Speech/Theatre Education

- Elementary Education (1-6)/Early Childhood Education. (Pre- Kindergarten grade 3).
- 3. Elementary Education (1-6)/ Special Education (K-12).
- 4. Elementary Education (1-6)/TESOL (K-12)
- 5. Middle School Education (5-9) with two concentrations: Choose two:

Language Arts Social Studies Mathematics Science

6. Secondary Education (9- 12) with one or two specialties. Choose one specialty (Plan B) or two specialties (Plan A) from the following list:

Business Education

English

Mathematics

Physical Education

*Social Sciences

Speech/Theatre

Unified Science (with a choice of Biology, Chemistry, or Physics endorsement).

*Plan A not available.

7. K-12 Education

Choose one from the following list:

Art

Music (vocal or instrumental)
Physical Education

Spanish

All students in teacher education must be tentatively admitted to teacher education prior to taking professional education courses. The admission point for teacher education is in the second semester of the sophomore year. Preparation for admission by the student can begin at any time. If the ACT score is lower than 20, the test can be retaken anytime prior to applying for tentative admission.

The Missouri C-Base Test should be taken in the second semester of the sophomore year.

All students who enter Missouri Southern as freshmen teacher education students are required to take Educ. 100, Orientation to Education I, during their freshman year and Educ. 200, Orientation to Education II, during their sophomore year. Students who transfer into MSSC at the point of formal admission into the Teacher Education Program are not required to take these two courses.

Psychology Requirements

All education majors must take Psy 310, Educational Psychology.

Elementary education students (grades 1 through 6) and early childhood education students (grades pre-kindergarten through grade 3) must take Psy 100, General Psychology and Psy 300, Child Development.

Middle school education students (grades 5 through 9), special education students (K through 12), music education students (grades K through 12), art education students (grades K through 12), physical education students (grades K through 12 or grades K through 9), Spanish education students (grades K through 12), TESOL students, and reading education students (grades K through 12) must take Psy 100, General Psychology and Psy 305, Developmental Psychology.

Secondary education students in business education, English education, mathematics education, physical education, social studies education, speech/theatre education, or unified science education must take Psy 100, General Psychology and Psy 301, Adolescent Psychology.

Certification

Students majoring in elementary education, elementary education/early childhood education, elementary education/special education, middle school education, physical education, or secondary education who successfully complete the requirements for this degree will be recommended for the Professional Certificate-I teaching certificate. This is a probationary certificate that is granted for three years. Additional certification is granted by the Missouri Department of Elementary and Secondary Education. Students with degrees from MSSC or another institution who wish to be certified in the State of Missouri must meet all of the requirements that are set forth in this catalog for the B.S.E. degree. All programs are designed to exceed minimal requirements for certification. Programs of study and courses required may be obtained through the Assistant Certification Officer in the Office of the Dean.

Exceptions to the Core Requirements: Physical Education Requirements

All teacher education students must meet the Core Curriculum requirements with the exception of elementary education, early childhood education, reading education, special education, or TESOL education students. These students are not required to take Kine 101, P. E. Activities, and Kine 103, Lifetime Wellness. In place of these two courses, these teacher education students are required to take Kine 370, School Health Education, and Kine 311, Physical Education for the Elementary School.

Bachelor of Science in Education (B.S.E.) Elementary Education

Area of Concentration

Students who elect elementary education (grades 1 through 6) as their teaching area must complete an area of concentration consisting of a minimum of 21 hours. This requirement may be met in one of two ways as follows:

Option 1: A collection of 21 hours of approved courses in an area of study including art, English, mathematics, music, reading, science, social studies, speech/theatre, or other approved area.

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Option 2: An added endorsement in an area of study such as early childhood, special education, or TESOL. A course of study for these certifications is available in the teacher education department office.

Requirements for Elementary Education Core Education Requirements 65-66

Students must earn a grade of "C" or better in all of the following courses, except the area of concentration.

Kine 370	School Health	3
Geog 211	Geography	3
Econ 180	American Economic Sys	3
Math 120	Math Elem Teacher II	3
Eng 325	Children's Literature	3
Art 220	Art Education	2
Mus 332	Music for Elem Sch	2
Educ 302	Exceptional Child	2
Psy 100	General Psychology	3
Psy 300	Child Development	3
OR		
Psy 305	Developmental Psy	4
Psy 310	Education Psychology	2
Kine 311	PE for Elem School	2
Educ 301	Computer Software	3
	in the Classroom	
C. I.		ıI

Students must be tentatively admitted to teacher education prior to taking the following courses (see admission requirements):

Educ 329	Ped Theory, Methods,	
	& Practices	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2

Pass Media Competencies

In order to take the remaining courses, the student must be fully admitted to the teacher education program:

Caacation	program.	
Educ 311	Science in the	
	Elementary School	3
Educ 312	Problems of Teaching	
	Arith in Elem School	3
Educ 322	Teaching Social	
	Studies Elem School	3
Educ 340	Language Arts	2
Educ 342	Intro Dev Reading	3
Educ 343	Teaching Reading	
	Middle School	3
Educ 420	Intro Counseling (Optional)	3
Educ 470	Diagnostic and	
	Remedial Reading	3

Professional Semester Courses			
Educ 402	Foundations of Education	2	
Educ 432	Critical Issues	2	
Select two	from the following:		
Educ 412	Middle School/ Junior Hig	h	
	Philosophy, Organization,		
	and Curriculum	2	
Psy 412	Measurement and		
	Evaluation	2	

Educ 420 (see above)

Other requirements: All courses must be completed prior to student teaching.

Educ 442 Student Teaching 8

Meet all exit requirements (see graduation requirements).

Area of Concentration

A student may work toward certification in reading education (*grades K-12*) by completing all of the course work for reading certification requirements except two years of teaching experience. The student who completes this program and completes two years of teaching experience may apply to the Department of Elementary and Secondary Education for the reading specialist certificate.

Bachelor of Science in Education - Middle School

Students who elect middle school (grades 5-9) as their major must complete two areas of concentration consisting of 22-32 hours in each area. The curriculum for these areas is a joint effort by the departments of teacher education and the teaching specialty. Students who desire to teach in a middle school may choose to become qualified in any two of the following four areas: Language Arts (English), Math, Science, Social Studies.

The core courses for the middle school program total 108-9 hours. The number of hours added to this core depends on the two areas chosen. The possible choices and hours are listed below.

SS/Math = 23 SS/Sci = 28 Sci/Math = 32 LA/SS = 22 LA/Sci = 28 LA/Math = 28

Total Hours for degree in Middle School:

SS/Math = 132 SS/Sci = 137 Sci/Math = 141 LA/SS = 130 LA/Sci = 136 LA/Math = 136

Bachelor of Science in Education-Secondary Education or K-12

The curriculum for secondary education is a joint effort of each department supporting a teaching specialty area and the teacher education department.

The student who desires to teach in a secondary school may choose to become qualified in a single teaching field with a high degree of specialization or in two different teaching fields with a lesser degree of specialization. Specialties available for secondary school teaching are:

1. Art K-12

21

- 2. Business Education 9-12
- 3. English 9-12
- 4. Mathematics 9-12
- 5. Music K-12 (Vocal or Instrumental)
- 6. Physical Education K-12, K-9, 9-12
- 7. Social Studies 9-12
- 8. Spanish K-12
- 9. Speech/Theatre 9-12
- 10. Unified Science 9-12 (with endorsement in biology, chemistry, or physics)

Plan A: (Double Major)

Plan A is intended for those who desire to qualify as teachers in two different subject matter areas. Each area requires a minimum of 30 semester hours of specific course work which must meet minimum Missouri State Department of Elementary and Secondary Education requirements. Plan A is not available in art, music, social science, Spanish, or unified science. If Plan A is selected, a second teaching field is required.

Plan B: (Single Teaching Field, Comprehensive Major)

Plan B is intended for persons who wish to concentrate teacher preparation in one subject matter area only. Forty or more semester hours are required in the subject matter area or related supporting courses listed in this catalog by department.

The Teaching Specialty for Secondary Education 9-12

Students in secondary education must meet the same core requirements as all MSSC students. Depending on the teaching specialty, these students will differ in the order in which they take the Core Curriculum requirements. Each specialty area has a sequence of courses for the teaching specialty. Students should refer to the catalog under the teaching specialty.

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Requirements for Secondary						
Education or K-12						
Core Educa	39/42					
Psy 100	General Psychology	3				
Psy 301	(9-12) Adolscent Psy	3				
Psy 305	(K-12) Devel. Psy	4				
Psy 310	Educational Psychology	2				
Educ 301	Computers in Education	3				
Educ 302	Exceptional Child	2				
*Junior Blo	4					
*Junior Blo	2					
*Junior Blo	2					
Educ 422	Reading in Sec. Schools	2				
Educ 402	Foundations	2 2				
Educ 432	Critical Issues	2				
Educ 412 o	or Educ 420, or Psy 412	2-3				
(chose one	elective in Education)					
Educ	Methods course	2-3				
	appropriate to student's					
	teaching area					
Educ 462 (9-12) or Educ 464 (K-12)					
Student Tea	8					

Programs (Examples:)

1. Elementary Education - Option I with a 21 hour concentration

Suggested Order of Study

Bachelor of Science in Education Elementary Education (Elementary Education with a 21 hour concentration in social studies)

Freshman year

er	
	Hours
Orient. to Educ. I	1
General Psychology	3
[Eng 101 Comp I] WI	3
[Math 111 Math Elem I]	3
[Econ 180 Amer Econ]	3
College Orientation	1
	14
er	
[Math 120 Math Elem II]	3
[Eng 102 (Eng 101)] WI	3
[Comm 100 Oral Comm]*	3
[Hist 110 U.S.1492-1877]	3
[Mus 110 Music Appr	
[Art 110 Art Appr (2A)]	3
	General Psychology [Eng 101 Comp I] WI [Math 111 Math Elem I] [Econ 180 Amer Econ] College Orientation ter [Math 120 Math Elem II] [Eng 102 (Eng 101)] WI [Comm 100 Oral Comm]* [Hist 110 U.S.1492-1877] [Mus 110 Music Appr

(To meet state certification requirements the student in all elementary supported fields must take either Music or Art Appreciation as a first choice and then can select from Area 2, Humanities and Fine Arts part B & C, page 44.)

Sophomor	e Year	
1st Semest	er	
Educ 200	Orientation to Educ II	1
CORE	[Bio 101 General Bio]	4
CORE	[Hist 120 US 1877-present]	3
CORE	Literature (2B)	3
CORE	[PSc 120 Gov't;US/Sta/Loc]	3
Psy 300	Child Development	3
		17
Teacher Ed	se Test. Apply for admission ducation Program. If ACT is le t should retake the ACT.	
CORE	Fine Art from Area 2C	3
Kine311	PE in Elem School ***	2
CORE	[Phys 101]	5
Mus 332	Music for Elem School	2
Educ 301	Comp Software Clsrm**	3
Elective		2

Junior Year

1st Semester

Pass Media Competencies.

Student must be tentatively admitted to the Teacher Education Program before any course from the junior block forward with an "Educ" prefix can be taken.

Educ 329	Ped Theory Methds & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Educ 342	Intro to Dev Reading	3
Kine 370	School Health Educ.WI***	3
Educ 302	The Exceptional Child	2
		16

2nd Semester

Must be fully admitted to the Teacher Education Program. (Media competencies must be met or the student will be denied full admission and denied continuation in the program.)

Area of Concentration		
Geog 211	Regions and Nations	3
Educ 343	Rdg in the Mid School	3
Educ 340	Language Arts	2
Educ 312	Prob of Tchng Arith	3
Psy 310	Educational Psy	2
		16

Senior Year

1st Semeste	er	
Eng 325	Children's Lit WI	3
Educ 470	Diag & Remdl Rdg WI	3
	(may be taken with Educ .	343)
Art 220	Art Education	2
Educ 311	Tchng Sci Elem	3
Educ 322	Tchng Soc Studies	3
Educ 420	Intro to Counsel WI@@	3
		17

@@Select Two

Educ 412 Mid Sch-Jr Hi-Phil-Org-Curr (2) +Educ 420 Intro to Counsel WI (3) Psy 412 Measurement & Eval (2) +Must be before student teaching

2nd Semes	ter		
Educ 402	Foundations of Educ WI	2	
Educ 432	Critical Issues	2	
Electives(s)	from list above @@	2-4	
Educ 442	Student Teaching	8	
		14-16	

Total Elementary Education /with Social Studies Concentration 128- 129

(Prerequisites)

[Department Recommendations]

*Student must have speech evaluation filed in the Dean's office.

**This is a certification requirement and must be taken by all teacher education students.

***Meets the core requirements in Physical Education.

Bachelor of Science in Education Elementary Education/Reading Education

Students who wish to certify in reading education should follow the order of study below. When students complete the sequence of courses satisfactorily, and upon completion of two years of teaching experience, they may certify as reading specialists in the State of Missouri. Advisers should pay particular attention to the sequence of courses. For example, a student must take Educ 342 before taking Educ 343. Educ 343 may be taken with Educ 470.

Freshman year

1st Semeste	er	
Course		Hours
Educ 100	Orientation to Educ I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] WI	3
CORE	[Math 111 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
Psy 120	College Orientation	1
		14
2nd Semes	ter	
CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 (Eng101)]WI	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 110 US1492-1877]	3
CORE	[PSc 120 Gov:US/Sta/Loc]	3
CORE	[Music 110 Music Apprec]	
OR		
CORE	[Art 110 Art Apprec.]	3
		18

(To meet state certification requirements the student in all elementary supported fields must take either Music or Art appreciation and then can select from Area 2, Humanities and Fine Arts part B & C, page 44)

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Sophomore	e Year		Students mu	ist complete all of the above c	ourses		tate certification requireme	
1st Semeste			as well as th	e following in order to be cert	ified in		all elementary supported fie	
Educ 200	Orientation to Educ II	1	Remedial R				Music or Art Appreciation	
CORE	[Bio 101 General Bio]	4		Prac in Diag Rdg Diff	3		rom Area 2, Humanities and	Fine Arts
CORE	[Hist 120 US 1877-present]			Prac in Rem of Reading	3	part B & C,	page 44.)	
Geog 211	Regions and Nations	3	3. Educ 350	Corrective Reading	2	2 16		
CORE	Literature (2B)	3		t must complete two years of	teach-	2nd Semest	ter se Test. Apply for admissio	n to the
CORE	Humanities/Fine Arts (2C)	3	ing experie	nce.			lucation Program. If ACT is	
		17	/Di-i4				should retake the ACT.	C33 triari
			(Prerequisit			Art 220	Art Education	2
2nd Semes		a to the		nt Recommendations] crific to the area of Reading em	nhasis	Psy 300	Child Development	3
	se Test. Apply for admission			e core requirements in Physic		Kine 311	PE in Elem Sch ***	2
1eacher Ed	ducation Program. If ACT is let t should retake the ACT.	ess man	cation.	e core requirements in rinysic.	ai Luu-	CORE	[Phys 101]	5
	Art Education	2		ken prior to student teaching	semes-	Kine 340	Motor Learning*	2
Art 220 Psy 305	Developmental Psy	4	ter.	iken prior to student teaching	5011105	CORE	Literature Elective	3
Kine 311	PE in Elem School ***	2	ter.			00.112		17
CORE	[Phys 101]	5				Summer - S	Sophomore Year	
Educ 301	Comp Software Clsrm**	3	0 5	ом form , Г. J /		Eng 325	Children's Literature WI	3
Luuc 301	Comp Software Cisim	16		entary Education/		Educ 301	Computer Software	3
				Childhood Education	on			6
Junior Yea	r		,	tion 2				
1st Semest			- Op	11011 4		Junior Yea		
	a Competencies.					1st Semeste		
Student mu	ist be tentatively admitted to the	Teacher		. 10 1 10			Competencies.	Tarak
	Program before courses with an		Sugg	gested Order of Stud	y		st be tentatively admitted to the	
	be taken. (Exceptions: Educ 10	00, Educ			-		Program before courses with a	
	302 and Educ 301)						be taken. (Exceptions: Educ 1	00, Eauc
Educ 329	Ped Theory Methds Prac	4	Bachelor	of Science in Education		,	301 and Educ 302)	1
Educ 321	Microteaching	2		y Education/Early		Educ 329	Ped The Methds & Prac	4 2
Educ 423	Classroom Management	2		Education		Educ 321	Microteaching Classroom Management	2
Kine 370	School HIt Educ ***WI	3	Cilianoo			Educ 423 Kine 370	School Hlt Educ WI***	3
Educ 302		2	Freshman	/ear		Educ 316	Found, Iss, Trnd ECE*	2
Educ 342	Intro Dev Reading	3 16	1st Semeste			Mus 332	Music in Elem Sch	2
		10	Course		Hours	14103 332	made in Elem den	15
2nd Semes	ster		Educ 100	Orientation to Educ I	1			
	ılly admitted to the Teacher		Psy 100	General Psychology	3	2nd Semes	ster	
Education			CORE	[Eng 101 Comp I] WI	3		Illy admitted to the Teacher	
Educ 474	Educ & Psy Testing*	3	CORE	[Math 111 Math Elem I]	3	Education		
Mus 332	Mus Elem School	2	CORE	[Econ 180 Amer Econ]	3	Educ 342	Intro to Dev Reading	3
Educ 343	Rdg in the Mid School	3	Psy 120	College Orientation	1	Educ 340	Language Arts	2
Educ 470	Diag & Rmdl Rdg WI	3			14	Educ 312	Prob of Tchng Arith	3
Educ 340	Language Arts	2				Educ 311	Teaching Science Elem	3
Educ 312	Probs of Tchng Arith	3	2nd Semes	ter		Educ 317	Curriculum - ECE*	3
		16	CORE	[Math 120 Math Elem II]	3	Educ 323	Util Fam Comm Res*	3
			CORE	[Eng 102 WI (Eng 101)]	3			17
Summer -	Junior Year		CORE	[Comm 100 Oral Comm]	3			
	Language Development	3	CORE	[Hist 110 U.S.1492-1877]	3	Summer -	Junior Year	
			CORE	[PSc 120 Gov't:US/Sta/Loc]	3	Educ 408	Assess in ECE*	4
Senior Yea	ar				15	Educ 430	Language Dev*	3
1st Semest						Educ 302	Exceptional Child	2
Educ 322	Teaching Social Studies	3	Sophomor					9
Eng 325	Children's Lit WI	3	1st Semest		1			
Educ 311	Teaching Science Elem	3	Educ 200	Orientation to Educ II	1	Senior Yea		
Educ 420	Intro to Counseling+	3	CORE	[Bio 101 General Biology]	4	1st Semest		2
Educ 422	Rdg. In Cont Areas WI	2	CORE	[Hist 120 US 1877-present]		Educ 343	Tchng Rdg in Mid Sch	3
Psy 310	Educational Psychology	2	Geog 211	Regions and Nations	3	Educ 470	Diag & Remdl Rdg WI	3
		16	CORE	[Music 110 Music Apprec]		E.I. 242	(may be taken with Educ .	
			OR	[Aut 110 Aut Annual	2	Educ 318	Meth & Materials ECE*	3
2nd Seme			CORE	[Art 110 Art Apprec]	3	Educ 319	Prac Meth & Mat*	2
Educ 402	Found of Educ WI	2	CORE	Humanities/Fine Arts Elec	3 17	Psy 310	Educational Psychology	2
Educ 432	Critical Issues	2			17	Educ 322	Tchng Soc Studies	3
Educ 442	Student Teaching	8						16

128

Total Elementary/Reading

Teacher Education / 153

2nd Semest	ter	
Educ 402	Foundations of Educ WI	2
Educ 432	Critical Issues	2
Educ 442	Student Teaching	8
		12
Total Elementary/ECEProg.		
(Prerequisit	res)	
[Department	nt Recommendations]	9
*Courses sp	pecific to the Early Childhoo	d Area of
Emphasis.		
***Meets th	ne core requirements in Phys	ical Edu-

***Meets the core requirements in Physical Education.

Area of Emphasis - total semester hrs=23

3. Elementary Education/Special EducationOption 2

Suggested Order of Study

Bachelor of Science in Education Elementary Education/Special Education

Students who wish to certify in special education must certify in mild/moderate cross categorical disabilities and one of the following endorsement options:

Learning Disabilities K-12, Mental Handicaps K-12, Behavior Disorders K-12.

Students who pursue these programs must carefully follow the orders of study for these categories.

Beginning with the first semester of the junior year, students may begin taking the reguired courses in special education. The first course in the sequence is Educ 324, Introduction to Special Education, (3 credit hours). This courses introduces the endorsement options in special education offered at MSSC. This course must be taken before any of the methods courses in special education can be taken. After completing the methods course, the student will complete the practicum in the same category as the methods course. Other courses that are required for special education may be taken according to the suggested order of study below.

Student teaching for special education students consists of a full ten week experience in the category chosen by the student. Students who choose to student teach in crosscategorical disabilities must meet all course requirements for that area, qualify for admission to student teaching, and then complete ten weeks student teaching in a crosscategorical classroom.

Freshman	year	
1st Semeste	er	
Course		Hours
Educ 100	Orient to Educ I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] WI	3
CORE	[Math 111 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
CORE	[Comm 100 Oral Comm]	3
Psy 120	College Orientation	1
		17
2nd Semes	ter	
CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 (Eng 101) WI]	3
CORE	[Hist 110 US1492-1877]	3
CORE	[PSC 120 Gov:US/Sta/Loc]	3
Educ 301	Computer Software	3
CORE	[Music 110 Music Apprec]	
OR		
CORE	[Art 110 Art Apprec]	3
		18

(To meet state certification requirements the student in all elementary supported fields must take either Music or Art appreciation and then can select from Area 2, Humanities and Fine Arts part B & C, page 44.)

Sophomore Year

1st Semester			
Educ 200	Orientation to Educ. II	1	
CORE	[Bio 101 General Bio]	4	
CORE	[Hist 120 US 1877-present]	3	
Geog 211	Regions and Nations	3	
CORE	Fine Art (2B)	3	
Psy 305	Developmental Psychology	3	
		18	

2nd Semester

Take C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, student should retake the ACT.

Art 220	Art Education	2	
Kine 311	PE in Elem School ***	2	
CORE	[Phys 101]	5	
CORE	Humanities/Fine Arts (2C)	3	
Psy 310	Educational Psychology	2	
Mus 332	Music for Elem School	2	
		16	

Summer - Sophomore Year

Julillie	opiioiiioic i cui	
Eng 325	Children's Lit (WI)	3
Educ 302	Exceptional Child	2
		5

Junior Year

1st Semester

Pass Media Competencies.

Student must be tentatively admitted to the Teacher Education Program before courses with an "Educ." prefix can be taken. (Exceptions: Educ 100, Educ 200, Educ 301 and Educ 302)

Educ 329	Ped Theory Methds & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Kine 370	School Health Educ.***	3
Educ 324	Intro Spec. Educ.	3
Educ 342	Intro to Dev Rdg.	3
		17

2nd Semest	ter	
Must be ful	ly admitted to the Teacher Edu	ucation
Program		
Educ 311	Teaching Science Elem	3
Educ 340	Language Arts	2
Educ 312	Problems of Tchg Arith	3
Educ 474	Ed-Psy Testing	3
Educ 407	Diag & Prscrptv Tch*	3
Educ 410	Methods/ Cross-Categorical	3
		17
Summer - J	unior Year	
Educ 348	Transition Services	2
Educ 430	Lang. Development	3
Educ	Methods in MR,BD, or LD	3
		8
c		

Senior Year

1st Semeste	er	
Educ 343	Tchng Rdg in Mid Sch	3
Educ 470	Diag & Remdl Reading WI	3
	(may be taken with Educ 34.	3)
Educ 322	Tchng Soc. Studies	3
Educ 420	Intro to Counseling+	3
Educ 446	PractCross-Categorical	3
Educ 446	Pract in second selected are	a 3
		18

2nd Semes	ter	
Educ 402	Foundations of Educ WI	2
Educ 432	Critical Issues	2
Educ 442	Student Teaching	8
		12

	12
Total Elementary/Special Education	146
(Prerequisites)	

[Department Recommendations]
*Courses specific to Special Education certification endorsement

4. Elementary Education/TESOL - Option 2

Suggested Order of Study

Bachelor of Science in Education Elementary Education/TESOL

Students who wish to certify in TESOL (Teachers of English to Students of Other Languages) can add the course work to elementary, middle school, or secondary education majors. Please see your adviser for details. The following suggested order of study is for the elementary education program only.

^{***}Meets the core requirements in Physical Education.

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SUGGE	STE	D F	OUR Y	EAR	PLAN	FOR	EL-
EMENT	ARY	ED	UCATI	ON	MAJOI	RS W	ITH
TESOL	AS	AN	AREA	OF	CON	CENT	RA-
TION							

Freshman Year	
1st Semester	

1 St Scillester		
Course		Hours
CORE	[Eng 101 Comp I] WI	3
Psy 100	General Psychology	3
CORE	[Econ 180 Amer Econ]	3
CORE	[Hist 110 US1492-1877]	3
CORE	[Comm 100 Oral Comm]	3
Psy 120	College Orientation	1
		16
2nd Semeste	er	
CORE	[Eng 102 WI (Eng 101)]	3
Art 110/Mus		3
CORE	[Hist 120 US1877-Present]	3
CORE	[Math 111 Math Elem Tchr	
CORE	[PSC 120 Govt:US,St,Loc.]	3
Educ 100	Orientation to Educ I	1
		16
Summer Sen		
CORE	[Bio 101 General Biology]	4
		4
	· · · · · · · · · · · · · · · · · · ·	
Sophomore		
1st Semester		2
CORE	[Math 120 Math Elem II]	3
Educ 301	Computer Software	3
Geog 211	Regions & Nations	3
Psy 305	Developmental Psy	4
Educ 200	Orientation to Educ II	1
CORE	Fine Arts Elective	3

2nd Semester

Take C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, student should retake the ACT.

(2B-Lit. 261,262,271,272,281,282)

17

CORE	Fine Arts Elective (2C)	3
CORE	[Phys 101]	5
Psy 310	Educational Psy	2
Kine 311	P.E. for Elem School	2
Mus 332	Music for Elem School	2
Educ 302	Exceptional Child	2
		16

Junior Year

1st Semester

Pass Media Competencies.

Student must be tentatively admitted to the Teacher Education Program before courses with an "Educ." prefix can be taken. (Exceptions: Educ 100, Educ

200, Eauc	301 and Educ 302)	
Educ 329	Ped Theory Methds & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Educ 342	Intro to Dev Reading	3
Kine 370	School Health	3
Eng 301	Modern Grammar	3
		17

	Ziid Sciiicse		
Must be fully admitted to the Teacher		UC	
	Educ 340	Language Arts	2
	Educ 312	Prob of Tch Arthm	3
	Educ 311	Science Elem School	3
	Educ 343	Teaching Rdg., Middle Sch	3
	Educ 380	Theories/Eng. as 2nd Lang	3
	Educ 480	Methods of TESOL	3
			17
	Summer - Ju	mior Vear	
		Tchng Multicultural Soc	3
		Mat Dev & Assess/TESOL	3
	Luuc 401	Mat Dev & Assess/11301	6
			0
	Senior Year		
	1st Semeste	r	
	Educ 470	Dgnstc & Rmdl Rdng	3
	Educ 322	Tchng Soc Stud Elem	3
	Educ 482	Practicum/TESOL	3
	Eng 325	Children's Lit	3
	Art 220	Art Education	2
	Educ 422	Tchng Reading Sec	2
			16
	2nd Semest	or	
		Foundations of Educ WI	2
	LUUC TUZ	I Outlidations of Lude VVI	_

2nd Semester

5. Middle School Education

Critical Issues

Total Elem. Educ. with TESOL

Student Teaching

Suggested Order of Study

Bachelor of Science in Education Middle School Education

Students will need to check with their advisers for additional courses that must be taken in each of two chosen areas of concentration (Language Arts), (Social Science), (Science), or (Math)

Freshman Year 1st Semester

Educ 432

Educ 442

Course		Hours
Educ 100	Orientation to Educ I	1
CORE	[Eng 101 Comp I] WI	3
CORE	[Math 111 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
Psy 120	College Orientation	1
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 101 PE Activity]	1
		15
2nd Semes	ster	
CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 WI (Eng 101)]	3
CORE	[Hist 110 US1492-1877]	3
Psy 100	General Psychology	3
CORE	[Bio 101 General Biology]	4

Sophomore Year	
1 at Compostor	

1st Semester		
CORE	[Phys 101]	5
CORE	[Hist 120 US 1877-present]	3
CORE	[Kine 103 Lifetime Wellness	2
Educ 301	Computer Software	3
Educ 200	Orientation to Educ II	1
CORE	Fine Arts Elective	3
(2B- Lit 261	,262,271,272,281,282)	
		16
@For Science	e certification - take Phys 15	1

@For Science certification - take Phy instead of Phys 101

2nd Semester

Take C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, student should retake the ACT. [PSC 120 Govt:US,St,Loc] Developmental Psychology

Psy 305 CORE Fine Arts Elective (2C) CORE (2A)3 Concentration Area 3-6 16-19

Junior Year

8

12

16

137

1st Semester Pass Media Competencies.

Student must be tentatively admitted to the Teacher Education Program before courses with an "Educ." prefix can be taken. (Exceptions: Educ 100, Educ

200, Educ	301 and Educ 302)	
Educ 329	Ped Theory Methds & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Educ 342	Intro to Dev Reading	3
Eng 319	Tch Comp WI (Fall only)	3
Concentrat	tion Area	3-4
	1.	7 10

2nd Semester

Must be fully admitted to the Teacher Education

Program.		
Educ 343	Tchg Rdg, Middle Sch	3
Educ 302	Exceptional Child	2
Psy 310	Educational Psy	2
Internation	al Studies	3
Concentrat	ion Area	4-8
		14-18

Senior Yea	r	
1st Semeste	er	
Educ 412	Middle School Curr	2
Psy 412	Measurement & Eval	2
Educ	Elem Content Methods	5-6
Concentrat	ion Area	7-8
		17-18

Concentrat	ion Area	7-0
		17-18
2nd Semes	ter	
Educ 402	Foundations of Educ. W	2
Educ 432	Critical Issues	2
Educ 413	Methods of Tchng M.S.	2
Educ 452	Student Teaching	8
		14
Total Midd	le School.	30-141

(Prerequisites) [Department Recommendations]

Teacher Education / 155

6. Secondary Education

Suggested Order of Study

Bachelor of Science in Education Secondary Education / Teaching Specialization

Freshman Year

1st Semester

Follow teaching specialty department recommendations for core courses and teaching specialty

Course		Hours
Educ 100	Orient to Educ I	1
Psy 100	General Psychology	3

2nd Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

Sophomore Year

1st Semester

Follow teaching specialty department recommendations for core courses and teaching specialty

Educ 200	Orientation to Educ II	1
Educ 302	Exceptional Child	2

Pass C-Base test for admission.

Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get faculty recommendation, write autobiography, and file admission papers for tentative admission.

2nd Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses

Educ 301	Comp Software **	3
Psy 301	Adolescent Psy	3

Junior Year

1st Semester

Pass media	competencies.	
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Mgt	2

Follow departmental recommendations for teaching specialty courses. If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher educa-

2nd Semester

Follow departmental recommendations for teaching specialty courses.

Psv 310	Educational Psychology	3

Senior Year

1st Semester

Follow departmental recommendations for teaching specialty courses.

Apply for student teaching during the second week of the semester.

Week of the	e serriester.	
Educ 422	Teaching Reading WI	2
Psy 412	Tests & Measurements	
Or		
Educ 412	Mid School Curr	
Or		
Educ 420	Intro to Counseling	2-3
2nd Semes	ter	
Educ 402	Foundations of Educ WI	2
Educ 432	Critical Issues	2
Educ	Teaching Specialty	
	Methods Course	2-3

(Prerequisites)

Educ 462

[Department Recommendations]

**This is a certification requirement and must be taken by all teacher education students.

Student Teaching Sec

7. K-12 Education

Suggested Order of Study

Bachelor of Science in Education K-12 Program

Freshman Year

1st Semester

Follow teaching specialty department recommendations for core courses and teaching specialty

Course		Hours
Educ 100	Orient to Educ I	1
Psy 100	General Psychology	3

2nd Semester

Follow teaching specialty department recommendations for core courses and teaching specialty

Sophomore Year

Follow teaching specialty department recommendations for core courses and teaching specialty

00010001		
Educ 200	Orientation to Educ II	1
Educ 302	Exceptional Child	2

Pass C-Base test for admission.

Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get faculty recommendation, write autobiography, and file admission papers for tentative admission.

2nd Semester

Follow teaching specialty department recommendations for core courses and teaching specialty

Educ 301	Comp Software **	3
Psy 305	Developmental Psy	4

Junior Year

1st Semester

Pass media	competencies.	
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Mgt	2

Follow departmental recommendations for teaching specialty courses. If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher education.

2nd Semester

8

14-15

Follow departmental recommendations for teaching specialty courses.

Psy 310 **Educational Psychology**

Senior Year

1st Semester

Follow departmental recommendations for teaching specialty courses. Apply for student teaching during the second week of the semester.

Educ 422	Teaching Rdg WI	2
Psy 412	Tests & Measurements	
OR		
Educ 412	Mid Sch Org-Phl-Cur	
OR		
Educ 420	Intro to Counseling	2-3

2nd Competer

zna semes	ter	
Educ 402	Foundations of Educ WI	2
Educ 432	Critical Issues	2
Educ	Tchng Specialty	2-3
	Methods Course	
Educ 464	Student Teaching K-12	8
		14-15

(Prerequisites)

[Department Recommendations]

**This is a certification requirement and must be taken by all teacher education students.

For additional information contact: Teacher Education Department

Office: Taylor Hall 237 Phone: 625-9309

FAX: 625-9771

156 / Teacher Education

Course Descriptions

Educ 010 (F,S)

2 hrs. cr.

Academic Skills for College Success

Designed to improve and enhance reading skills. Vocabulary, comprehension, and flexibility for rate are addressed in addition to the introduction of learning strategies involved in the successful transition from high school to college level of study. Provides opportunities for improving reading and study skills as well as for developing reading enrichment.

Educ 100 (F,S)

1 hr. cr.

Orientation to Education I

An orientation to teacher education required for freshmen who select elementary or secondary education as their major field. Intended to help clarify decisions about education as a major and career choice. Concepts covered include: teaching as a career, teacher preparation, employment prospects, educational funding, and technology in education.

Educ 105 (F,S)

1 hr. cr.

Speed Reading

Designed specifically to increase reading speed. Not recommended for students with comprehension problems.

Educ 200 (F,S)

1 hr. cr.

Orientation to Education II

An extension of Educ 100. Classroom experiences emphasized as well as the conditions for teaching. A 15 clock hour, field-based component is included.

Educ 301 (F,S,Demand)

3 hrs. cr.

Use of Computer Software in the Classroom Study designed to provide the prospective teacher with a basic understanding of microcomputer hardware, software, and related technologies with special emphasis upon use of this technology in the accomplishment of teacher-oriented tasks.

Required of all education majors.

Educ 302 (F,S, Demand)

2 hrs. cr.

The Exceptional Child

A series of awareness experiences dealing with the added complexities an exceptional child presents to a regular classroom teacher. Includes characteristics of the exceptional child, resources in the community, and legislation which determines school policy. Prerequisite: Psy 100

Educ 311 (F,S, Demand)

3 hrs. cr.

Science in the Elementary School

Designed to help students (1) comprehend the basic notion of science and how children go about learning science, (2) develop materials suitable for demonstration, discovery, and inquiry lessons and (3) develop the instructional skills necessary to achieve the first two goals. Prerequisites: Courses in biological and physical sciences and completion of Junior Block.

Educ 312 (F,S, Demand)

3 hrs. cr.

Problems of Teaching Arithmetic in Elementary Schools (See Math 312)

Application of principles of learning and techniques of presentation. Techniques for diagnosis and remediation are treated as they relate to the elementary classroom. Prerequisite: 3 hrs. of math and completion of Junior Block.

Educ 316 (F,S)

2 hrs. cr.

Foundations, Issues, and Trends in Early Childhood Education

A survey course designed to acquaint the prospective teacher of young children with the historical, philosophical, psychological, and social foundations of early childhood education. In addition, designed to present current issues and trends associated with early childhood programming and consequent role expectations of prospective teachers. Must be taken concurrently with the junior block courses.

Educ 317 (F,S)

3 hrs. cr.

Curriculum in Early Childhood Education

Curriculm development in early childhood education, with special emphasis on various program models and curriculum designs currently used at the early childhood level; the formulation of developmentally appropriate goals for and curriculum content of educational programs for young children; and models of classroom management in early childhood education. Prerequisite: Educ 316.

Educ 318 (F,S)

3 hrs. cr.

Early Childhood Methods and Materials

Background in teaching strategies and materials for the young child. Fundamentals of designing developmentally appropriate small group, large group, and individual learning experiences for young children; and appropriate teaching methods and materials at the early childhood level. Prerequisites: Educ 316 and Educ 317 or instructor permission. Must be taken concurrently with Educ 319.

Educ 319 (F,S)

2 hrs. cr.

Practicum I in Early Childhood Education

Supervised participation in teaching on the early childhood level in the MSSC Child Development Center for a minimum of 64 clock hours. Students will design and implement small group, large group, and individual learning experiences, develop appropriate materials for children's use, and practice appropriate teaching strategies for young children. Prerequisites: Educ 316 and Educ 317 or instructor permission. Must be taken concurrently with Educ 318.

Educ 321 (F,S)

2 hrs. cr.

Microteaching

A required part of Education 329. Short teaching episodes are prepared, taught and analyzed via video-tape. The basic concern is with the demonstration of effective teaching skills as enumerated in the outline. Must be taken concurrently with Educ 329 and Educ 423.

Educ 322 (F,S, Demand)

3 hrs. cr

Teaching Social Studies in Elementary School
An introduction to the instructional materials and

methods of teaching social studies in the elementary school.

Educ 323 (S)

3 hrs. cr.

Utilizing Family and Community Resources for the Young Child

Acquaints the prospective teacher of young children with the needs and concerns of families rearing young children, methods of involving parents in the education of their children, and knowledge of community resources for families with young children.

Educ 324 (F,S)

3 hrs. cr.

Introduction to Special Education

Introduction to the five areas of mild/moderate disabilities: learning disabled, mentally handicapped, behavior disordered, physically disabled, and other health impaired. Provides the basis of understanding necessary to learn and apply the methodologies needed for each of these areas of exceptionalities. (Must be taken concurrently with the junior block courses.) Prerequisites: Educ 302, Psy 100 and Psy 305.

Educ 329 (F,S)

4 hrs. cr.

Pedagogical Theory, Methods, and Practices

Examines the theoretical basis for the decision making model of the teacher education program. Provides the methodological basis for making pedagogical decisions concerning lesson design, identification of learning styles, and assessment techniques. Microteaching provides an opportunity to practice methods and techniques for teaching. Thirty-two hours of junior internship in the elementary, middle, and secondary school classroom provides an opportunity to refine theory into practical applications. Must be taken concurrently with Educ 321 and Educ 423.

Educ 332 (S)

2 hrs. cr.

Teaching English and Language Arts in Secondary School

Provides an introduction to the instructional materials and methods of teaching English and language arts in the Secondary School. Part of the Professional Semester. Prerequisite: Junior Block

Educ 333 (S)

3 hrs. cr.

Teaching Science in Secondary School

An introduction to the instructional materials and methods of teaching science. Part of the Professional Semester. Prerequisite: Junior Block

Educ 334 (S) 2 hrs. cr.
Teaching Social Science in Secondary School

An introduction to the instructional planning, materials, and methods of teaching social science. Part of the professional Semester. Prerequisite: Junior Block

Educ 335 (S)

2 hrs. cr.

Teaching Music in Secondary School

An introduction to the instructional planning, materials, and methods of teaching music. Part of the Professional Semester. Prerequisite: Junior Block

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Educ 336 (S)

2 hrs. cr.

Teaching Business in Secondary School

An introduction to the instructional planning, materials, and methods of teaching business. Part of the Professional Semester. Prerequisite: Junior Block

Educ 337 (F,S)

2 hrs. cr.

Teaching Art in Secondary School

An introduction to the instructional planning, materials, and methods of teaching art. Part of the Professional Semester. Prerequisite: Junior Block

Educ 338 (F,S)

2 hrs. cr.

Teaching Physical Education in Secondary School
An introduction to the instructional planning,
materials, and methods of teaching physical education. Part of the Professional Semester. Prerequisite: Junior Block

Educ 339 (S)

3 hrs. cr.

Teaching Mathematics in Secondary School

An introduction to the instructional planning, materials, and methods of teaching mathematics. Includes brief survey of the history of algebra and trigonometry. Part of the Professional Semester. Will not count toward a major in mathematics. Prerequisite: Junior Block

Educ 340 (F,S, Demand)

2 hrs. cr.

Language Arts

A foundations course for the development of understanding the attitudes necessary to teach written and oral communication at the elementary and middle school level.

Educ 342 (F.S. Demand)

3 hrs. cr.

Introduction to Developmental Reading

Explore, study, and apply a variety of reading strategies that provide understanding of effective, current text-based and experience-based teaching practices; review and compile information from journals/literature which includes research, ideas, trends, methods, and experiences relevant to developmental reading; evaluate various reading approaches and programs; construct reading enrichment materials; and develop an attitude that will positively affect the self-concept of children with diverse learning styles, abilities, backgrounds, and attitudes as they learn to read. (Should be taken with junior block.)

Educ 343 (F,S)

3 hrs. c

Teaching Reading in the Middle School

Expand and extend the knowledge base acquired from Introduction to Developmental Reading; explore, study, apply, and assimilate new learning about effective reading/study-skill strategies appropriate to the development and needs of the middle-school population; design and construct enrichment materials to enhance reading in the content areas; develop knowledge on assessing middle-school students' needs, plan instruction based on those needs, and select appropriate and effective reading/study-skills instruction strategies; and focus on the importance of recreational reading as a lifetime habit. Prerequisite: Educ 342 (Can be taken concurrently with Educ 470.)

Educ 344 (S)

2 hrs. cr.

Teaching Speech and Theatre in Secondary School

Techniques, methods, and course content used in teaching speech and theatre. Part of the Professional Semester. Prerequisite: Admission to teacher education. Prerequisite: Junior Block

Educ 345 (S)

2 hrs. cr.

Teaching Foreign Language in PK-12

An introduction to the instructional materials and the methodology used in the teaching of foreign languages in PK-12. Prerequisite: Junior Block

Educ 348 (F,S)

2 hrs. cr

Transition Services

A coordinated set of activities for a student designed within an outcome-oriented process that promotes movement from school to post-school activities, including post-secondary education, vocational training, integrated employment, continuing and adult education, adult services, independent living, or community participation. Study of coordinated activities, including instruction, community experiences, employment, and other post school adult living objectives. Prerequisite: Educ 324.

Educ 350 (Demand)

2 hrs. cr.

Corrective Reading Instruction

for Classroom Teachers

Explores historical perspectives of corrective reading practices and reading issues and trends. Students learn to make informed decisions about appropriate current reading instruction and practices. Prerequisites: Educ 342 and Educ 343.

Educ 380 (S)

3 hrs. cr.

Theories of Teaching English as a Second Language

Basic theories of how non-English speaking people acquire English. Includes working with non-English speaking students, description of personal theory, and methods of teaching. (May be taken after or concurrently with Junior Block.)

Educ 381 (Summer)

3 hr

Teaching in a Multicultural Society

The foundations of multicultural education along with approaches to multicultural education and teaching strategies applicable to all ages, grades, and subjects.

Educ 402 (F,S, Demand)

2 brs or

Foundations of Education (Writing Intensive)
A study of the historical, philosophical, and sociological aspects of education. Emphasis will be upon the development of American education from the Colonial period and acquision of knowledge of educational belief systems.

Educ 403 (Demand)

3 hrs. cr.

Methods of Teaching the Mentally Handicapped Designed to help the prospective or in-service teacher understand mental retardation and learn to work effectively with retarded learners. Includes appropriate curriculum, individualized program development, and teaching strategies. Prerequisite: Educ 302 and Educ 324.

Educ 404 (S)

3 hrs. cr.

Methods of Teaching Children with Learning Disabilities

Designed for the prospective or in-service teacher of learning disabled students. Diagnosis, evaluation, programming, instructional approaches, instructional strategies, and materials appropriate for use with learning disabled students. Prerequisite: Educ 302 and Educ 324.

Educ 405 (Demand)

3 hrs. cr.

Methods of Teaching Children with Behavioral Disorders

Establishes a teaching rationale utilizing an individualized teaching strategy which enables the emotionally disturbed learner to profit more fully from school experiences. Prerequisite: Educ 302 and Educ 324.

Educ 407 (S)

3 hrs. cr.

Diagnostic and Prescriptive Teaching

A study of four major assessment practices used to design and evaluate individual education programs and to make daily instructional decisions for students with or without disabilities. Students will conduct each of the following kinds of assessment: formal standardized tests, behavioral assessment, curriculum-based assessment, and precision teaching. Prerequisites: Educ 302 and Educ 324.

Educ 408 (F - Demand)

4 hrs. cr.

Assessment in Early Childhood

An in-depth study of systematic observation, testing tools, and screening instruments. With supervised administration, scoring and interpretation of these assessments in early childhood education. In addition to 2 hrs. of lecture per week, students will be assigned to an early childhood setting for 4 clock-hours a week to utilize systematic informal observational techniques which will culminate in a written case study report. Prerequisite: Educ 316.

Educ 410 (F,S)

3 hrs. cr.

Teaching in the Mild/Moderate: Cross-Categorical Classroom: K-12

A methods course designed to give students numerous examples of curricular and instructional methodologies in the teaching of elementary and secondary mildly handicapped children in a cross-categorical classroom. Methodologies for students with learning disabilities, mental handicaps, behavior disorders, physical disabilities, and other health impairments are discussed.

Educ 412 (F,S,Demand)

2 hrs. cr

Middle School and Junior High Philosophy, Organization and Curriculum

Effective teaching and learning strategies for the Middle School and Junior High students, including comprehension of the developmental and academic needs of students. Designed for Education majors seeking middle school certification (Grades 5-9) and for others interested in curriculum and instruction.

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Educ 413 (F,S)

Methods of Teaching Students in the Middle Grades Exploration of middle school developmentally appropriate instructional planning, materials, evaluation, and reporting of pupil progress. Student communication and personal development are stressed through exploratory programs and the balance of teaching and learning styles. Inquiry, problem solving, and discovery methods used to show the importance of content knowledge and its application to decision making. Emphasis on the importance of interdisciplinary units of instruction to acculturate students. Prerequisite: Educ 412 or may be taken concurrently.

Educ 420 (F,S)

3 hrs. cr.

Introduction to Counseling

(Writing Intensive)

Survey course exploring the role and function of counseling, including philosophies, theories, techniques, legal and ethical issues, assessment, and research. Designed as an overview for the classroom teacher, the reading specialist, and the special educator for use with students and parents.

Educ 422 (F,S, Demand)

Educ 444 (F, S) 2 hrs. cr.

Teaching Reading in Secondary School

(Writing Intensive)

Secondary education majors explore, study, and apply a variety of research-based and classroomtested teaching/learning strategies designed to enhance and extend teaching in their content areas; develop and design materials that integrate reading into their content areas; identify and modify critical thinking strategies relevant to their content areas; compile and understand effective reading/ study skills components appropriate for secondary students; compose their philosophy of reading; and review assessment techniques relevant to reading in the secondary school. Prerequisite: Junior Block

Educ 423 (F, S)

2 hrs. cr.

Classroom Management

Classroom Management introduces concepts, skills, and models for developing a personalized threedimensional approach to behavior and classroom management. How to prevent discipline problems, what to do when problems occur, and what to do to decrease the possibility of problems recurring. Must be taken concurrently with Educ 329 and Educ 321.

Educ 430 (F, S, Demand)

Student Teaching-Middle School

Educ 452 (F, S) Supervised teaching on the middle school level in

Language Development of Exceptional Children Required for certification in special education and recommended for teachers of students focusing on early childhood education. Basic structures of language, normal sequence of language acquisition, and characteristics of language disabilities. Strategies suggested for both assessing and remediating language delays or disorders.

Educ 432 (F, S, Demand) **Critical Issues in Education** 2 hrs. cr.

Exploration of current problems with special regard to legal and professional roles of school personnel, their relationships to federal and state governments and local school districts; certification, salary schedules, retirement, and other benefits, professional organizations for teachers, and relationship with administration, pupils, parents, and the community. Part of Professional Semester.

Educ 442 (F, S)

8 hrs. cr.

Student Teaching-Elementary

Supervised teaching on the elementary level in an assigned off-campus school site. The elementary student teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see Requirements for Admission to Student Teaching.

8 hrs. cr.

Student Teaching-Special Education

Supervised teaching in a special education setting in an assigned off-campus site. Course assignments consist of 50 full teaching days (10 weeks) and require the students to demonstrate their ability to be entry-level effective decision making teachers. Arrangements for placement are to be made in the semester preceding the actual student teaching block The student will be required to divide the 10 week experience into two segments elementary and secondary. Assignment to the sites is determined by the special education practicum assignment. Prerequisites: Please see Requirements for Admission to Student Teaching.

Educ 446 (F, S, Demand)

3 hrs. cr.

Practicum in Special Education

Clinical experience in special education settings with students who have mild/moderate disabilities. This experience will occur in one of the following classroom settings: cross-categorical, learning disabled, mentally handicapped, or behavior disordered. A three credit practicum plus student teaching experience will be needed in each area of certification. Includes both time in special education classes and on-campus seminar sessions. Prerequisites: Educ 324 and 3 credit hours of special education methods.

8 hrs. cr.

an assigned off-campus school site. The middle school teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placement are to be made in the semester preceding the actual student teaching

block. Prerequisites: Please see Requirements for Admission to Student Teaching.

Educ 462 (F, S)

8 hrs. cr.

Student Teaching-Secondary

Supervised teaching on the secondary level in an assigned off-cempus school site. The secondary school teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placements are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see requirements for Admission to Student Teaching.

Educ 464 (F, S)

8 hrs. cr.

Student Teaching - (K-12)

Supervised teaching on the secondary and elementary levels in assigned off-campus school sites. The PK-12 teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. The student will be required to divide the 10 week period into two segments: Five weeks at the elementary level and five weeks at the secondary level. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see Requirements for Admission to Student Teaching.

Educ 470 (F, S, Demand)

3 hrs. cr.

Diagnostic and Remedial Reading

(Writing Intensive)

Prepares the beginning remedial reading teacher and the regular classroom teacher to deal with remedial reading problems. Emphasis on diagnosis of problems more clinical in nature with techniques, materials, and management being stressed. Prerequisites: Educ 342, Educ 343, or may be taken concurrently with Educ 343.

Educ 471 (Summer)

3 hrs. cr.

Practicum in Diagnosis of Reading Difficulties Practice of administering, interpreting, and reporting diagnostic test results of reading difficulties. Prerequisites: Educ 342 or Educ 422, Educ 343,

Educ 470, and Educ 474.

Educ 472 (Summer)

Practicum in Remediation of Reading Difficulties Practice of using and reporting results of remedial methods in a case study of reading difficulties. Prerequisites: Educ 342 or Educ 422, Educ 343, Educ 470, Educ 471, and Educ 474.

Educ 474 (S)

3 hrs. cr.

Educational-Psychological Testing in Special Education

Comprehensive study of the various psycho-educational assessment techniques for diagnosis of learning problems of exceptional children, including educational, intelligence, and psychomotor. Emphasis on translating assessment data to remedial programs. Prerequisites: Educ 302 and Psy

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Educ 480 (S)

3 hrs. cr.

Methods and Techniques for TESOL

Introduces techniques for teaching ESOL. Includes work with ESOL students, class observations, and hands-on experience with a variety of materials. (May be taken after or concurrently with Junior Block.)

Educ 481 (Summer)

3 hrs. cr.

Material Development and Assessment for TESOL Analysis and preparation of materials for teaching ESOL and the basics of test development for ESOL. Prerequisite: Educ 480

Edue 482 (F)

3 hrs. cr.

Practicum for Teaching English to Speakers of Other Languages

Supervised practical classroom experience in teaching ESOL. Prerequisites: Educ 480 and Educ 481.

Educ 498 (Demand)

1-3 hrs. cr.

Seminar in Problems of Education

A weekly seminar for upper division majors. Credit hours determined by the department each semester. Covers specialized knowledge and/or current research in the discipline. Topics vary by semester and situation. Prerequisites: Advanced standing and consent of department head.

Educ 499 (F, S)

1-3 hrs. cr.

Independent Study

Structured by the adviser with approval of department head. Prerequisites: Advanced standing in the major field and approval of adviser and department head.

160 / *Notes*



Aviation
Computer Aided Drafting & Design
Computer Assisted Manufacturing Technology
Computer Information Science
Criminal Justice

Dental Hygiene Law Enforcement

Manufacturing Information Management Systems
Medical Technology

Paramedic
Pre-Engineering
Preprofessional
Prepharmacy
Radiologic Technology
Respiratory Therapy

School of Technology

School Dean

Jack G. Spurlin EMS-Annex, 625-9328

Degrees and Majors

Bachelor of Science

Computer Information Science Criminal Justice Administration Environmental Health Technology Management Technology (in conjunction with the School of Business Administration) Medical Technology Nursing

Associate of Science

Computer Aided Drafting and Design Computer Analysis Computer Assisted Manufacturing Technology Computer Programming Dental Hygiene Environmental Health Technology Law Enforcement Nursing Pre-engineering Radiologic Technology

Associate of Arts (Preprofessional)

General (Paramedic) Prepharmacy

Certificate (one year)

Computer Science and Information Systems

Certificate (less than 30 hours)

Basic Police Recruit Emergency Medical Technician Emergency Medical Technician-Paramedic

Options and Emphases:

Computer Information Science
As a Second Teaching Field
Computer Science Information Systems

Minors: (See departments)

Computer Information Systems Computer Science Criminal Justice Administration

Role

The School of Technology is one of the four major instructional entities of Missouri Southern. As such, it offers quality instruction by and under, the leadership of professional

educators who also have the advantage of a background of actual work experience in business, industry, health care and government. This instruction is further enhanced by utilizing qualified individuals from business and the professions in the community as guest lecturers and part-time instructors.

Although the courses offered by the departments of the School of Technology in the various curricula are usually specifically career oriented toward a specialized field, the staff of these departments recognize the necessity of providing an understanding of the relationships between careers and society; therefore, courses from the fine arts, humanities and natural sciences, as well as courses to refine a student's ability to read, write, speak and think, are a required part of each curriculum. As a result, the students majoring in the various curricula in the School of Technology are an integral part of the entire student body.

All courses offered in the School of Technology are designed to provide students with the background or some portion of the background, to enable them to enter the employment field and to meet requirements imposed by any certifying and licensing examinations that may be required in the field.

The School of Technology also recognizes that in many respects the community is also a classroom. Therefore, a number of curricula include courses that are offered by other educational agencies. In some courses, area facilities are used as laboratory resources with students utilizing them under the direct supervision of regular college instructional personnel.

The School of Technology offers curricula leading to the B.S., A.S. and A.A. degrees and to one-year certificates. Programs of shorter duration required for licensure or certification also are offered, often in conjunction with the Division of Continuing Education. In addition, numerous courses and workshops are offered to meet specific and often rapidly emerging demands of business, industry and public service.

All departments work closely with advisory committees made up of persons from business, industry, government and the professions. Input from the advisory committees aids the faculty of the various departments in maintaining relevancy of course and curriculum content and identifying special needs that can be addressed through continuing education programs.

Goals

The goals of the School of Technology are:

- to provide opportunities for students to prepare for a broad range of established and emerging careers;
- to maintain and develop curricula which provide the opportunity for students to obtain the background in liberal arts and sciences so they may appreciate their heritage and contemporary society and become a contributing member of their society;
- to provide programs in the most cost effective method possible, that are cognizant of contemporary requirements of career fields and which provide best available preparation for emerging requirements;
- to provide opportunities and encouragement for faculty and staff to remain current and conduct research in their respective disciplines;
- to provide instructional facilities and equipment essential to the maintenance of academically excellent instruction;
- to provide a variety of supportive functions that serve a variety of area needs;
- to offer quality programs and in areas where required, maintain program content necessary for special accreditation;
- to offer a variety of continuing education programs to meet special needs and demands;
- to encourage faculty to provide consultation services and otherwise serve as resources for the area;
- to advise people, including students and potential students, regarding knowledge, skills and abilities required to enter and succeed in various career fields;
- 11. to assist faculty to meet and maintain eligibility for special certification required in numerous programs.

Semester Hours

Aviation

EMS, 625-9328

The Aviation Program is offered in affiliation with the Mizzou Aviation Company of Joplin, Missouri.

For additional information contact:

Dr. Jack Spurlin Office: EMS-Annex Phone: 625-9328

Course Descriptions

Av 200

5 hrs. cr.

Basic Pilot Training

An integrated course designed to meet ground school and flight training requirements for eligibility to take the Federal Aviation Administration examination for a Private Pilot Certificate. In addition to scheduled ground school classes, the course requires approximately 45 hours of dual and solo flight and check flight. Credit is awarded when the FAA certificate is obtained. Special fees and a third class medical certificate are required. Special fees for this course include plane rental and examiner's test fee. Course grade is recorded as Pass or Fail.

Computer Aided Drafting & Design (CADD)

Ummel Technology Building 112, 625-9567

Faculty Bartholet

The computer aided drafting and design curriculum leads to an associate of science degree in CADD. The curriculum prepares individuals to enter employment as drafters and CAD technicians in the fields of manufacturing, civil, architecture, or construction.

The requirements for the associate of science degree in computer aided drafting and design provide a broad base of technical and Core Curriculum courses. Computer

aided drafting and design hardware and software are used to enhance traditional instruction methods in all courses. Built into the curriculum is an emphasis on both lowend and high-end P.C. based CAD software. As the students study the various fields within drafting, they are given opportunities to apply theory through the various CAD software packages available within the department.

The department also functions as an internationally recognized authorized training center for Autodesk software. This allows each student to be exposed to the latest CAD technology and the application of international standard systems such as A.N.S.I. and I.S.O.

Student internships and independent studies allow the student to join the real world while in school and provide invaluable references for job placement later. Professional faculty maintain close ties with area industries to assure that high quality and currently used technology is taught.

Students who complete the A.S. degree in CADD may continue their education by pursuing a baccalaureate degree in one of three areas: 1) Manufacturing Information Management Systems (MIMS), 2) Computer Information Science, 3) Management Technology.

The first option (refer to MIMS section, page 133) is a joint degree offered through both the School of Technology and the School of Business Administration that is designed to develop a person who is a manufacturing technologist with background in management, TQM, SPC, applied manufacturing concepts, industrial supervision, and applied statistical quality control. The second option is designed to allow the students to develop a systems background in LAN management, data structures and data base operation for large as well as small manufacturing concerns. The third option is designed to allow students to develop management and marketing skills that would lead to an entry level management position in manufacturing.

We also offer a one year certificate program in Manufacturing Applications (See page 168). In addition, we offer CPIM certification courses through American Production and Inventory Control Society (APICS).

Depending upon the student's desires, we have options available to suit most needs for

the majority of the manufacturing industries both here in America and internationally.

Associate of Science Degree in Computer Aided Drafting and Design

	rements (p. 43)	.0	26
CADD Req			39
	Engineering Graphics I	3	
CADD 115	Intro to Computer Aided		
	Drafting	3	
	Descriptive Geometry*	3	
	Engineering Graphics II	3	
CADD 202	Tool Design		
	and Manufacturing*		
OR			
CADD 204	Industrial Statics and		
	Strength of Material*	3	
CADD 210	Technical Illustration**	3	
	Architectural Drafting		
OR	8		
	Computerized Machine		
C/ 12 2 330	Design *	3	
CADD 230		5	
OR	Survey and Mapping		
MIMS 310	Computer Production		
14111413 310	Planning Control *	3	
CADD 260		3	
CADD 260 CAMT 100	Engineering Graphics III*	3	
CAMIT 100	Intro to Machine Tool	2	
CALITAGO	Processes	3	
CAMT 150	Materials & Processes	3	
Electives	(at least 6 hours):		6
CADD 298	Special Topics in Drafting	,	
	and Design* 1.	-3	
CADD 490	Internship in Drafting		
	and Design* 1-	-4	
CADD 498	Seminar in Drafting		
		-3	
CADD 499		-3	
ECON 201	Prin of Economics-Macro	3	
CAMT 110	Fund Cutting Tools	1	
CAMT 160	Inspection and Gaging*	1	
CAMT 220	Fundamentals of		
C/ 1111 220	Robotics*	1	
MIMS 310	Computer Production/	•	
14111413 310	Planning Control	3	
MIMS 320	Applied Stat Quality)	
14111413 320		2	
CIC 205	Control	3	
CIS 305	Micro Comp Applied I	3	
CIS 310	Micro Comp Applied II	3	
MM 237	Managerial Data Proc	3	
MM 337	Management Info Systems	53	

^{*}See course description for prerequisites.

^{**}Offered only in the summer.

Suggested Order of Study

Associate of Science Degree Major Code 5303 **Computer Aided Drafting** and Design Major

Freshman Ye	ear	
1st Semester		
Course	Hou	ırs
CADD 110	Engineering Graphics I	3
CAMT 100	Intro Mach Tool Proc	3
CAMT 150	Materials & Processes	3
CORE	[Math 30/130]	3
CORE	[Psy 120 College Orient]	1
CORE	[Humanities/Fine Arts]	3
		16
2nd Semeste	r	
	Intro to CAD	3
	O Trigonometry	3
		3
CORE	[Eng 101 Comp I]	
Comm 101	Oral Comm	3
CORE	[KINE 101 Physical Activity]	
CORE	[Kine 103 Lifetime Wellness	
		15
Summer		
CADD 210	Technical Illustration	3
		3
Sophomore	Year	
1st Semester		
CADD 120	Descriptive Geometry	3
CADD 130	Engineering Graphics II	3
CADD 202	Tool Design/Mftg	
OR	Tool Design, with	
CADD 204	Statics/Strength of Materials	3
CORE	[Hist 110 U.S. History]	3
CORE	[Econ 201 Economics-Macro	
Elective	Technical Electives	3
		18
1.1		
2nd Semeste		
CADD 220	Architectural Drafting	
OR		
CADD 330	Comp Machine Design	3
CADD 230	Survey and Mapping	3
CADD 260	Engineering Graphics III	3
CORE	[Phys 100 Fund of Phys Sci]	5
Technical El		3
		17
[Department	t Recommendation]	

For additional information contact:

Mr. Francis Bartholet

Office: Ummel Technology Building 112

Phone: 625-9567

(Prerequisites)

Course Descriptions

Computer Aided Drafting & Design (CADD)

CADD 110 (F, S) 3 hrs. cr. **Engineering Graphics I**

The class requires participation in actual preparation of drawings by using state-of-the-art CADD. Spreadsheet, wordprocessing are incorporated along with geometric construction, lettering, orthographic projection, dimensioning, sections, pictorial drawing, graphs, and diagrams. One hr. lecture, 4 hrs. lab per week.

CADD 115 (S) 3 hrs. cr. **Introduction to Computer Aided Drafting**

Computer aided drafting and the design of basic 3D wireframe and 3Dmodels. Individuals who have a background in CADD should take the course for personal or professional improvement. One hr. lecture per week, 4 hrs. lab per week. Prerequisite: CADD 110

CADD 120 (F) 3 hrs. cr. **Descriptive Geometry**

Practical applications of advanced projection techniques to problems in civil, structural, mechanical and architectural engineering. Manual and computer assisted projects on methods are introduced. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110 & CADD 115.

CADD 130 (F) 3 hrs. cr. **Engineering Graphics II**

Detail and assembly drawings of machines and machine elements. Survey of the use of machine tools, processes and materials in the design and fabrication of machine parts. The use of 3D and parametric design software enhance the industrial applications within this course. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110 and CADD 115.

CADD 202 (F) 3 hrs. cr. **Tool Design and Manufacturing**

Principles of tool design with emphasis on the design and graphical representation of common jigs and fixtures used in the manufacturing industry using computer aided design software with group projects and field trips to local industries to enhance the experience. One hr. lecture, 4 hrs. lab per week. Prerequisites: CADD 110 and CADD 115.

CADD 204 (Demand) **Industrial Statics and Strength of Material**

Principles of mechanical design with emphasis on proper selection, function and graphical representation of common machine components. Formulas, vendor catalogs and commercial computer software will be used to select components. One hr. lecture, 4 hrs. lab per week. Prerequisites: CADD 110 & 115, MATH 30 OR ABOVE.

CADD 210 (Summer) **Technical Illustration**

Pictorial drawing with an emphasis on mechanical and architectural applications. Major topics include mechanical illustrations, exploded views and perspectives drawn with a computer aided drafting system. Drawings will involve 2D and 3D illustration, lettering styles and computer generated rendering and animation. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110 and CADD 115.

CADD 220 (S) 3 hrs. cr.

Architectural Drafting

Principles of architectural design, preparing sets of working drawings, building details and use of modern construction materials for residential building. Manual and computer aided design techniques used throughout the course. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110 and CADD 115.

CADD 230 (S) 3 hrs. cr.

Survey & Mapping

Theory, principles and practices of surveying and mapping as applied to construction, site plans and right-of-way planning. Use and care of survey instruments and equipment. Survey reports and computations and preliminary surveys stressed. Calculations conducted manually and with commercial computer software. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110 and CADD 115.

CADD 260 (S)

Engineering Graphics III

A variety of commercial CAD software packages will be discussed in order to better assist the advanced student in developing skill and knowledge in the use of a CAD system to prepare drawings in one or more drafting fields. The current trends in software applications will also be incorporated to meet the changing needs of the students to better prepare them for employment. Three 1 hr. lectures per week, open labs as required. Prerequisites: CADD 110, CADD 115 and one or more drafting specialty courses from the following: CADD 130, CADD 202, CADD 220 or CADD 230. A student having industrial drafting experience may be admitted with consent of instructor if CADD 115 or equivalent industrial training course has been completed.

CADD 298 (Demand)

1-8 hrs. cr.

Special Topics Draft/Design

A special topic or topics not normally included in another drafting/design course. Prerequisites determined by the department and stipulated in a course syllabus.

CADD 330 (Demand)

3 hrs. cr.

Computer Machine Design

Instruction in the principles, theory and applications of machine design utilizing the CAD workstation. Special emphasis on solid modeling and design analysis. Three hrs. lecture labs are arranged. Prerequisite: CADD 110, MATH 112 OR ABOVE.

CADD 490 (Demand)

1-8 hrs. cr.

Internship in Drafting and Design

A structured work experience in drafting/design at an institution, facility or industry not directly related to Missouri Southern. The work experience will be a practical application of the student's major field of study under the direct supervision of an on-site professional who is not a Southern faculty or staff member. The on-site professionals will supervise the student's activity in the field. A faculty member will be responsible for approving the placement site and supervising the overall activities of the internship. Prerequisite: 15 hrs. of CADD.

CADD 498 (Demand)

1-3 hrs. cr.

Seminar in Drafting & Design

Specialized knowledge and skills related to new developments in drafting and design. Topics will vary by the semester and situation. Prerequisite: An associate degree in drafting & design or senior standing in management-technology or industrial technology.

CADD 499 (Demand)

1-3 hrs. cr. Independent Study in Drafting & Design

Individually directed reading, research and discussions in selected areas of drafting and design for advanced majors. Scope, depth, area of concentration and credit hours will be arranged when registering for the course. Offered by arrange-

ment. Prerequisite: 15 hrs. of drafting with 3.0 GPA and permission of instructor, department head and school dean.

Computer Assisted

Manufacturing Technology (CADD)

Ummel Technology Building 115, 625-9327

Faculty Schultz

The department offers an associate of science degree. The requirements of this degree will provide a progressive and flexible technical education which will assist in securing employment in rapidly changing technological

A variety of courses in this program emphasize the use of computers and various software which enrich the skills acquired by the students to compete in this ever-changing age of modern technology. These include: Computer Numerical Control, Introduction to CADD, Fundamentals of Robotics, Computer Animation in Industry, Computer Assisted Manufacturing and Computerized Production Planning and Control Systems. General education course work in mathematics, physical science, English, history and communications will give the student a total education.

The courses in the computer assisted manufacturing technology curriculum are designed to provide the students with applicationsoriented training in both basic and advanced aspects of technology. Lectures followed by Lab training on equipment such as a computer numerical control machining center and an industrial robot enable the student to apply information learned in lecture and also allow for individual innovation. Students have received recognition in world-class competition for innovative developments in robotics.

Professional faculty interact with local industry to insure that instruction is current with the latest technological developments. This interaction of faculty and involvement of an individual in Society of Manufacturing Engineers Student Chapter provides students with excellent contacts for internships and employment.

Students who complete the A.S. degree in CAMT may continue their education by pursuing a baccalaureate degree in one of three areas: 1) Manufacturing Information Management Systems (MIMS), 2) Computer Information Science, 3) Management Technology.

The first option (refer to MIMS section, see page 133) is a joint degree offered through both the School of Technology and the School of Business Administration designed to equip the manufacturing technologist with vital management skills in areas such as TQM, SQC/SPC, EDI and Computerized Manufacturing Applications. The second option is a BS degree with a background in LAN management, data structures and data base operation. The third option would provide management and marketing skills that would lead to an entry level management position in manufacturing.

We also offer a one-year certificate program in Manufacturing Applications (See page ???). In addition, we offer CPIM certification courses through American Production and Inventory Control Society (APICS) as well as CAM software training through continuing education.

Associate of Science in **Computer Assisted Manufacturing Technology**

Semester Hours

Core Requirements (p. 43) 26 **Computer Assisted Manufacturing Technology Requirements** 38 CAMT 100 Intro to Machine Tool **Processes** 3 CAMT 105 Precision Machining 3 CAMT 150 Materials and Processes CAMT 110 Fund Cutting Tools CAMT 160 Inspect & Gaging 3 CAMT 220 Robotics CAMT 200 Computer Numerical Control CAMT 202 Tool Design/Manufacture 3 CAMT 250 Computer Assisted Manufacturing CADD 110 Engineering Graphics I 3 CADD 115 Intro to CAD 3 3 Math 112 Trigonometry MIMS 310 Computer Prod Planning

Manufactur	ring Technology Electives	
	(at least 5 hours)	5
CAMT 210	Computer Animation	
	for Industry 3	
CADD 204	Mechanical Design 3	
CADD 330	Computer Machine Design 3	
CAMT 499	Independent Study in	
	Manufacturing Tech 1-3	
CAMT 498	Seminar in Manufacturing	
	Technology 1-3	
CAMT 490	Internship in Manufacturing	

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	Technology	1-8
CAMT 298	Special Topics in Manu-	
	facturing Technology	1-8
CAMT 330	Quality Control and	
	Reliability	3
CADD 260	Computer Aided Drafting	* 3
Any other C	CAMT or CADD courses of	or othe

classes approved by the department adviser.

Suggested Order of Study

Associate of Science Degree Major Code 5399

Computer Assisted Manufacturing Technology Major

Freshman	Year
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1st Semester		
Course		Hours
CAMT 100	Intro Mach Tool Proc	3
CAMT 150	Materials & Processes *	1
CAMT 110	Fund. of Cutting Tools*	1
CAMT 220	Robotics*	1
CAMT 160	Inspect & Gaging	3
CADD 110	Engineering Graphics I	3
CORE	College Algebra (Math 130)	
OR		
CORE	Inter Algebra (Math 030)	3
CORE	[Psy 120 College Orient]	1
		16
0.10		
2nd Semeste		2
CAMT 105	Precision Machining	3
CADD 115	Intro to CADD	3
Math 112	Trigonometry	
OR Math 140	Algebra & Trig	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 101 Physical Activity]	
CORL	[Kille 1011 Hysical Activity]	16
		10
Sophomore	Year	
1st Semester		
CAMT 202	Tool Design/Manufacture	3
CAMT 200	Comp Numeric Control	3
CORE	(Phys 100 Fund of Phys Sci)	5
CORE	(Hist 110/Hist 120/PSc 120)	
Technical El		3
		17
2nd Semeste	er	
CORE	[Econ 201Econ-Macro]	3
CAMT 250	Comp Assisted Manu	3
MIMS 310	Comp Prod Planning	3
CORE	[Humanities/Fine Arts]	3

For additional information contact:

Don Schultz

Technical Elective

CORE

Office: Ummel Technology Building 115

[Kine 103 Lifetime Wellness] 2

16

Course Descriptions

3 hrs. cr.

Intro to Machine Tool Processes

The theory and safe operation of basic machine tools. Fundamental practices include: safety, basic mathematics, blue print reading, benchwork, precision measurement, metal sawing, drills and drilling, pedestal bench grinding, engine lathes, mills. One hr. lecture, 4 hrs. lab per week.

CAMT 105 (F, S)

3 hrs. cr.

Precision Machining

An introduction to the operation of surface, cylindrical, tool and cutter grinders. Principles of inspection and gaging, applied trigonometry, tooling geometry and advanced lathe and milling practices will be covered. One hour lecture, 4 hrs. lab per week. Prerequisites: CAMT 100, CADD 110, Math 130 or consent of instructor.

CAMT 110 (F, S)

1 hrs. cr.

Fundamentals of Cutting Tools

Introduction to tool geometry, chip formation and effects of coolants and tool design on tool life. Instruction on the sharpening of standard cutting tools for drilling, formed relieved end mills and mill cutters, and the applications of various factors on machinability. The use of carbides and ceramics as cutting tools. Class meets for five weeks. One hour lecture and four hours laboratory per week. Prerequisite: Take concurrently with CAMT 150 and CAMT 220 as a 3 hr. block. It is also recommended that students take CAMT 100 as a prerequisite or concurrently.

CAMT 150 (F, S)

1 hrs. cr.

Materials and Processes

A survey of manufacturing materials and processes. Properties of ferrous metals and nonferrous metals and plastics. Introduction and application of the principles of casting, welding, molding, hot working, cold working, stamping, forming and material removal processes. Class meets for five weeks. One hour lecture and four hours lab per week. Prerequisite: Take concurrently with CAMT 110 and CAMT 220 as a 3 hr. block. It is also recommended that students take CAMT 100 as a prerequisite or concurrently.

CAMT 160 (S)

3 hrs. cr.

Inspection and Gaging

Inspection, gaging and precision measurement procedures utilizing mechanical, electronic and optical measuring equipment and related math. Geometric dimensioning and tolerancing emphasized. Computer assisted process control methods are introduced and applied to specific inspection procedures. One hour lecture, 4 hrs. lab per week.

CAMT 200 (F, S)

3 hrs. cr.

Computer Numerical Control

Basic numerical control concepts and its applications, the operation and setup of numerical control machines including Vertical machining centers and turning centers, numerical control programming as applied to machining applications using MDI. One hr. lecture, 4 hrs. lab per week. Prerequisites: CAMT 100, CADD 110, Math 30 or 112 or consent of instructor.

CAMT 210 (S)

3 hrs. cr.

Computer Animation For Industry

Fundamentals of computer animation on a personal computer focusing on industrial applications, such as product promotion and marketing, motion simulation of machine elements and mechanisms, and its use in presentation, training and instruction. Involves imparting movement and photorealistic appearance to geometric shapes and models. One hour lecture and 4 hrs. lab per week. Prerequisites: CADD 115 or COMP 105 or permission of the department.

CAMT 220 (F)

1 hr. cr.

Fundamentals of Robotics

Fundamental concepts underlying robot programming and its applications in the manufacturing industry. Covers operation of an industrial robot arm, both lead through and textual programming, end effector design, interfacing with computers and CNC machines and control systems. Class meets for five weeks. One hour lecture and four hours laboratory per week. Prerequisite: Take concurrently with CAMT 110 and CAMT 150 as a 3 hr. block. It is also recommended that students take CAMT 100 as a prerequisite or concurrently.

CAMT 240 (S)

3 hrs. cr.

Industrial Materials

Introduction to metallurgy and nonmetallic materials currently used in today's modern manufacturing settings. Theory and application of principles for identifying, producing, conditioning and testing materials. Laboratory activities involve both manual and computer assisted testing. One hr. lecture and 4 hr. lab per week. Prerequisite: CAMT 150.

CAMT 250 (S)

3 hrs. cr.

Computer Assisted Manufacturing

Advanced techniques of CNC & N/C programming using a completely integrated environment. Concepts of manufacturing programs being an integral part of a dynamic environment as compared to being in an isolated system. One hr. lecture, 4 hr. lab per week. Prerequisites: CAMT 200 or consent of instructor.

CAMT 298 (Demand)

1-8 hrs. cr.

Selected Topics in Manufacturing **Technology**

department in a course syllabus.

Special topics in new or emerging manufacturing technology that are not normally included in another course. Prerequisites will be specified by the

^{*}See course descriptions for prerequisites.

CAMT 310 (F)

4 hrs. cr.

Manufacturing Data Processing

Designed to teach overall data processing techniques as relating to the manufacturing environment. A solid foundation of manufacturing processes and departmental structuring is required in addition to a knowledge of microcomputer usage. Two hrs. lecture, 6 hrs. lab per week. Prerequisites: CAMT 100, Comp 105 or PC DOS, CADD 115, Acct 201 or consent of instructor.

CAMT 330 (F)

3 hrs. cr.

Quality Control and Reliability

The concept of quality control and its applications. The importance of quality control, tools and techniques of SPC/SQC covering control charts used in quality control analysis, inspection and testing for quality control, process variability, product reliability and maintainability. Two hrs. lecture, 4 hrs. lab per week. Prerequisites: CAMT 100 & 160, Comp 105 or PC DOS, Math 310 or GB 321 or GB 405 or consent of instructor.

CAMT 490 (Demand) 1-8 Internship in Manufacturing Technology

1-8 hrs. cr.

A structured work experience in manufacturing technology at an institution, facility or industry not directly related to Missouri Southern. Practical application of the student's major under the direct supervision of an on-site professional who is not an MSSC faculty or staff member. A faculty member will be responsible for approving the placement site and supervising the overall activities of the

internship. Prerequisite: 15 hrs. of CAMT courses

and permission of a committee.

CAMT 498 (Demand) 1-3 hrs. cr.

Seminar in Manufacturing Technology

Covers specialized knowledge and skills related to new developments in manufacturing technology. Topics will vary by the semester and situation. Prerequisite: Senior standing in management-technology or an associate degree in manufacturing technology.

CAMT 499 (Demand) 1-3 hrs. cr.

Independent Study in Manufacturing Technology

Individually directed reading, research and report preparation in selected areas of contemporary manufacturing technology, for advanced majors. Scope, depth and area of concentration and credit will be arranged when enrolling in the course. Offered by arrangement. Prerequisite: Completion of required manufacturing technology courses with minimum 3.0 GPA and permission of instructor, department head and school dean.

Manufacturing Information Management Systems (MIMS)

(See page 133 - School of Business Administration for more information)

Suggested Order of Study

Bachelor of Science in Management Technology with an emphasis in Manufacturing Information Management Systems (MIMS)

Junior Year 1st Semester

Course		Hours
MIMS 310	Comp Prod Plan/Control	3
Acct 201	Prin of Accounting I	3
GB 321	Business Stats I	3
MM 350	Prin of Management	3
CORE	[Eng 102 Comp II]	3
CORE	[Econ 201 Econ-Macro]	3
		18
2nd Semeste	er	
MM 354	Total Quality Mgmt	3
GB 405	Statist Quality Control	3
MIMS 420	Mfg Computer Appl	3
CORE	[Fine Arts/Humanities]	3
CORE	[Bio 101 Gen Biology]	4
CORE	[GB 310 Intro to Business]	3
		16
Senior Year		
1st Semester		
CIS 315	Lan Mgmt	3

13t Schleste		
CIS 315	Lan Mgmt	3
MM 431	Operations Mgmt	3
MIMS 320	Applied Stat Quality Ctrl	3
MIMS 350	Ind Supervision	3
CORE	[Fine Arts/Humanities]	3
		15

2nd Semester

ZIId Jeilleste			
Econ 202	Prin of Econ-Micro	3	
MIMS 450	Electronic Data Systems	3	
MIMS 490	Mfg Appl	3	
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3	
CORE	[Hist 120/320]	3	
		15	

Students should consult the Dean of the School of Technology at the earliest possible date in order to incorporate the correct sequence into the appropriate associate of science degree program.

For additional information contact:

Dean of School of Business Administration

Office: Matthews Hall 302

Phone: 625-9319

For additional information contact: Dean of School of Technology

Office: EMS Building Phone: 625-9328

Course Descriptions

MIMS 310 (F)

3 hrs. cr.

Computer Production/Planning Control

Theory and application of Production and Inventory management philosophies and techniques as they relate to the study of computer-integrated manufacturing (CIM). Five hrs. lecture/labs. Prerequisite: MATH 30 OR ABOVE, COMP 105 OR CIS 305.

MIMS 320 (F)

3 hrs. cr.

Applied Statistical Quality Control

The concept of quality control and its applications. Importance and impact of Total Quality Control for manufacturing industries in today's age of global competition. Tools and techniques of Statistical Quality/Process Control including control charts will be discussed. Aspects of inspection, testing as they relate to interface with quality control and automated data collection will be covered. Prerequisites: Math 130 or above, GB 321 or permission of department head.

MIMS 350 (F) 3 hrs. cr. Industrial Supervision (Writing Intensive)
A dynamic look at the interrelationship between work assignments, work performance, and performance outcomes within an industrial work environment. An examination of group dynamics, presentations, and basic interpersonal skills will be combined to establish an understanding and develop a sense of commitment to a positive and progressive work ethic. Prerequisite: Junior standing.

MIMS 410 (S)

3 hrs. cr.

International Trends in Manufacturing

(Writing Intensive)

Discussion of issues and trends in U.S. manufacturing and technology with special emphasis on the causes and consequences of its internationalization in the face of global competition. Course content may vary to ensure that contemporary or latest developments are highlighted. Prerequisites: Junior standing, 6 hrs. of English Comp. or permission of the department.

MIMS 420 (S)

3 hrs. cr.

Manufacturing Computer Applications

Introduces problem solving and analysis in the application of integrated manufacturing information systems software. Students will address the following areas of application: design, production routing, project planning and tracking, material handling and inventory control, coding and classification using current integrated manufacturing software. Prerequisites: CIS 315, MIMS 310

168 / CAMT/MIMS, Computer Science

MIMS 450 (S)

3 hrs. cr.

Electronic Data Communications Systems

A survey of techniques and principles used to obtain maximum utilization of the new horizons in data communications. Will cover modem hardware and software installation and operation. Email, data compression schemes, off-line readers and the Internet will be explored. Setup and operation of BBSes for Businesses will be discussed. One hour lecture with four hours of lab every week for a total of 16 weeks. Lab time to be on the Southern BBS using online E-Mail, file transfer and protocol test for assignments. Prerequisite: None.

MIMS 490 (S)

3 hrs. cr.

Manufacturing Applications (Capstone)

Allows the student to build on all the skills and knowledge gained in prior coursework and creative implementation of the concepts learned through projects or internships pertaining to various manufacturing applications. Will work in teams on project(s) that will take them from ideas through various aspects of design, development and manufacturing to conclusion. Prerequisites: Senior standing, MIMS 310, MM 354, MIMS 420, Math 140.

One Year Certificate in Manufacturing Applications

One year certificate program in Manufacturing Applications is offered through Computer Aided Drafting and Design (CADD) and Computer Assisted Manufacturing Technology (CAMT). Refer to the individual departments CADD (page 163) and CAMT (page 165) for course descriptions.

Suggested Order of Study

1st Semester		
Course		Hours
CAMT 100	Intro to Machine Tools	3
CAMT 110	Fund of Cutting Tools	1
CAMT 160	Inspection & Gaging	3
CADD 115	Intro to CAD	3
CADD 110	Engineering Graphics I	3
CAMT 150	Materials & Processes	1
CADD 180/0	CAMT 180 Industrial Ethics	5 3
		17
2nd Semester	the same was the same of the s	
CAMT 105	Precision Machining	3
CADD 130	Engineering Graphics II	3
CADD 202/C	CAMT 202	
	Tool Design and Mfg.	3
CAMT 200	Computer Num. Control	3
MATH 30	Intermediate Algebra	3
Technical Ele	ective	3
		18
		35

Computer Information Science

Matthews Hall 223, 625-9383

Faculty Oakes – Head, Earney, Herr, Kelley, Kemm, Mays, Tunnell

The Computer Information Science (CIS) department provides opportunities for a broad undergraduate education in the many aspects of computer hardware and software. The faculty's main objective is to offer courses of instruction which develop a thorough understanding of methods for utilizing computer technology in the design and implementation of solutions to complex management, scientific, and engineering problems. Within this context, the department offers the following curricula options:

- Bachelor of Science in CIS Information Systems
- Bachelor of Science in CIS Computer Science
- Bachelor of Science in CIS Computational Mathematics
- Bachelor of Science in CIS Informatics
- Bachelor of Science in CIS Computer Technology
- Minor in CIS Network Systems Administration
- Minor in CIS Information Systems/ Informatics
- Minor in CIS Computer Science
- Associate of Science in CIS -Network Systems Administration
- Associate of Science in CIS Information Systems/Informatics
- Associate of Science in CIS Computer Science
- Certificate of Achievement in Network Systems Administration

The bachelor of science alternatives prepare the student for graduate school or entry level positions such as systems programmer, systems analyst, applications programmer, or network administrator. A minor or associate of science provides the student pursuing some other major with a credential and expertise in computing, an enhancement which is becoming increasingly important in almost every area of science, education, business, and the arts.

The information systems/informatics major is

distinguished by selected CIS and business classes which develop the student's understanding of an organization's information requirements and procedures for designing an information system which will facilitate the management of the organization. The computer science major requires that the student take CIS and mathematics classes which develop an expertise in applied mathematics and the theoretical foundations of computer science. Such knowledge is required to design and implement computer solutions for a wide range of problems encountered in science and engineering.

The computational mathematics curriculum meets the requirements for a double major in computer information science and mathematics. Computer technology qualifies the student for an associate of science degree in computer aided drafting and design (CADD) or computer assisted manufacturing technology (CAMT), as well as a major in CIS.

The network systems administration alternatives are designed to provide the student with the knowledge base necessary for managing local/wide area computer networks, as well as being able to provide user support and training in the area of personal computer hardware and application software.

The nature of computer information science is such that a student selecting this major should enjoy and have a talent for solving problems. The effectiveness of the CIS curricula is measured by the success of our graduates. Their average starting salaries are among the highest when compared to other majors, and placement records indicate that they have enjoyed an excellent placement rate. Many hold positions as middle and upper-level managers for a wide range of organizations, and several have earned graduate degrees.

Bachelor of Science in CIS – Information Systems Major

Core Requi	rements (p. 43) (51*)	45
CIS Core		45
Comp 110	Programming I	3
Comp 210	Programming II	3
Comp 230	Report Program	
	Generation (RPG)	3
Comp 234	Business Data Processing	
	Techniques (COBOL)	3
Comp 302	Information	
	Systems I (WI)	3
CIS 305	Microcomputer	
	Applications I	3

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CIS 310	Microcomputer		
	Applications II	3	
CIS 315	Computer Networks I	3	
CIS 321	Interactive RPG/400	3	
CIS 334	Advanced Structured		
	COBOL	3	
CIS 335	Object Oriented		
	Programming	3	
CIS 350	Data Structures	3	
CIS 410	Information Systems II	3	
CIS 425	Database Management		
	Systems (WI)	3	
CIS 450	Operating Systems (WI)	3	
Business Co	re **		24
Acct 201	Principles of Accounting I	3	
Acct 202	Principles of Accounting II	3	
Econ 201	Principles of Economics		
	(Macro)	3	
Econ 202	Principles of Economics		
	(Micro)	3	
Econ 350	Financial Management I	3 3	
GB 321	Business Statistics I	3	
MM 300	Principles of Marketing	3	
MM 350	Principles of Manage-		
	ment (WI)	3	
Mathematic	cs Core		3
Math 130 o	r above	3	
General Ele	ctives		11
Total		1	128

* Mathematics and economics courses in major requirements satisfy six hours of the Core Curriculum.

** Business Core qualifies for a minor in business.

Bachelor of Science in CIS – Computer Science Major Core Requirements (p. 43) (51*)

Core Requi	rements (p. 43) (51*)		43
CIS Core			48
Comp 110	Programming I	3	
Comp 210	Programming II	3	
Comp 234	Business Data Processing		
	Techniques (COBOL)	3	
Comp 302	Information Systems I (WI)	3	
CIS 305	Microcomputer		
	Applications I	3	
CIS 310	Microcomputer		
	Applications II	3	
CIS 315	Computer Networks I	3	
CIS 330	Assembly Language	3	
CIS 334	Advanced Structured		
	COBOL	3	
CIS 335	Object Oriented		
	Programming	3	
CIS 350	Data Structures	3	
CIS 360	Computer Graphics		
CIS 410	Information Systems II	3	
CIS 425	Database Management		
	Systems (WI)	3	

CIS 430	Introduction to Artificial	
	Intelligence	3
CIS 450	Operating Systems (WI)	3
Mathematic	cs Core **	21
Math 150	Calculus with Analytic	
	Geometry I	5
Math 250	Calculus with Analytic	
	Geometry II	5
Math 260	Calculus with Analytic	
	Geometry III	5
Math 300	Fundamentals of Math	
	Thought	3
Math 371	Introduction to	
	Operations Research(WI)	3
Physics Cor	e	5
Phys 151	Elementary College	
	Physics I	5
General Ele	ectives	11
Total		128
* 1 4 .1 .		

* Mathematics and physics courses in major requirements satisfy eight hours of the Core Curriculum.

** Mathematics Core qualifies for a minor in mathematics.

Bachelor of Science in CIS -Computational Mathematics Major *

Core Requi	rements (p. 43) (51**)		43
CIS Core			33
Comp 110	Programming I	3	
Comp 210	Programming II	3	
Comp 234	Business Data Process-		
	ing Techniques (COBOL)	3	
CIS 315	Computer Networks I	3	
CIS 335	Object Oriented		
	Programming	3	
CIS 350	Data Structures	3	
CIS 360	Computer Graphics	3	
CIS 425	Database Management		
	Systems (WI)	3	
CIS 430	Introduction to Artificial		
	Intelligence	3	
CIS 450	Operating Systems (WI)	3	
CIS Elective	s Numbered 305 and		
	above	3	
Mathematic			33
Math 150	Calculus with Analytic		
	Geometry I	5	
Math 250	Calculus with Analytic		
	Geometry II	5	
Math 260	Calculus with Analytic		
	Geometry III	5	
Math 300	Fundamentals of		
	Mathematical Thought	3	

Math 350	Introduction to Numeric Analysis	al
OR		
Math 431	Numerical Analysis	3
Math 351	Linear Algebra	3
Math 371	Introduction to Operatio	ns
	Research(WI)	3
Math Electi	ves Numbered 320 and	
	above	6
Supporting	Requirements	13
Phys and C	hem Electives ***	
General Ele	ectives	6
Total		128

* This option also qualifies for a bachelor of science in mathematics. It is listed as the computational mathematics alternative in the Mathematics section of the catalog.

** Mathematics, chemistry, and physics courses in major requirements satisfy eight hours of the Core Curriculum.

*** Must include one from each (excluding Chem 100, Phys 100, Phys 120, Phys 140, Phys 180, Phys 300).

Only courses in which a student has earned a grade of "C" or above can be used to satisfy departmental mathematics and computer information science requirements.

Bachelor of Science in CIS Informatics Major

Core Currio	culum (p. 43) (51*)	48 45
Comp 110	Programming I	3
Comp 210	Programming II	3
Comp 230	Report Program	
	Generation (RPG)	3
Comp 234	Business Data Processing	
	Techniques (COBOL)	3
Comp 302	Information Systems I (WI)	3
CIS 305	Microcomputer	
	Applications I	3
CIS 310	Microcomputer	
	Applications II	3
CIS 315	Computer Networks I	3
CIS 321	Interactive RPG/400	3
CIS 334	Advanced Structured	
	COBOL	3
CIS 335	Object Oriented	
	Programming	3
CIS 350	Data Structures	3
CIS 410	Information Systems II	3
CIS 425	Database Management	
	Systems (WI)	3
CIS 450	Operating Systems (WI)	3

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Business C	ore	6
Acct 201	Principles of Accoun	nting I 3
Acct 202	Principles of Accoun	iting II 3
Mathemat	ics Core	3
Math 130	or above	3
Profession	al Concentration **	18-27
General El	ectives	0-8
Total		128-129

*Mathematics course in major requirements satisfies three hours of the Core Curriculum. **Professional Concentration must meet the requirements of a minor in an area such as a foreign language, communications, or criminal justice. This area must be approved by the students adviser and the CIS department head.

Bachelor of Science in CIS -Computer Technology Major (CADD)*

(CADD)			
Core Requirements (p. 43) (51**) 48			
CIS Core			3
Comp 110	Programming I	3	
Comp 210	Programming II	3	
Comp 234	Business Data Processing		
	Techniques (COBOL)	3	
Comp 302	Information Systems I (WI)	3	
CIS 305	Microcomputer		
	Applications I	3	
CIS 310	Microcomputer		
	Applications II	3	
CIS 315	Computer Networks I	3	
CIS 335	Object Oriented		
	Programming	3	
CIS 350	Data Structures	3	
CIS 360	Computer Graphics		
OR			
CIS 410	Information Systems II	3	
CIS 425	Database Management		
	Systems (WI)	3	
CIS 450	Operating Systems (WI)	3	
CADD Core			3
CADD 110	0 1	3	
CADD 115	Intro to Computer		
	Aided Drafting	3	
CADD 120	Descriptive Geometry	3	
CADD 130	Engineering Graphics II	3	
CADD 204	Industrial Statics	3	
CADD 210	Technical Illustration	3	
CADD 260	Engineering Graphics III	3	
MIMS 310	Computerized Production		
	Planning and Control		
CALITAGO	Systems	3	
CAMT 100	Intro to Machine Tool	0	
CALITATO	Processes	3	
CAMT 150	Materials and Processes	3	

Mathematics Core	3
Math 112 Trigonometry	3
(or as approved by adviser)	
Professional Electives	7
(upper division as approved by adviser)	
General Electives	4
Total	128

* This option also qualifies for an associate of science in computer aided drafting and design.

** Mathematics course in major requirements satisfy three hours of the Core Curriculum.

Bachelor of Science in CIS -Computer Technology Major (CAMT)*

Core Requirements (p. 43) (51**)

	ements (p. 43) (31)	26
CIS Core		36
Comp 110	Programming I	3
Comp 210	Programming II	3
Comp 234	Business Data Processing	
	Techniques (COBOL)	3
Comp 302	Information	
	Systems I (WI)	3
CIS 305	Microcomputer	
	Applications I	3
CIS 310	Microcomputer	
	Applications II	3
CIS 315	LAN Management	3
CIS 335	Object Oriented	
	Programming	3
CIS 350	Data Structures	3
CIS 360	Computer Graphics	
OR		
CIS 410	Information Systems II	3
CIS 425	Database Management	
0.0 .20	Systems (WI)	3
CIS 450	Operating Systems (WI)	3
CAMT Core	operating systems (VVI)	33
CAMT 100	Intro to Machine Tool	33
C/ ((VII 100	Processes	3
CAMT 105	Intermediate Machine	5
C/11111 103	Tool Processes	3
CAMT 110	Fundamentals of	5
CANTITIO		
		1
CAMT 150	Cutting Tools	1
CAMT 150	Cutting Tools Materials and Processes	3
CAMT 160	Cutting Tools Materials and Processes Inspection and Gaging	
	Cutting Tools Materials and Processes Inspection and Gaging Computer Numerical	3
CAMT 160 CAMT 200	Cutting Tools Materials and Processes Inspection and Gaging Computer Numerical Control	3 1 3
CAMT 160 CAMT 200	Cutting Tools Materials and Processes Inspection and Gaging Computer Numerical Control Robotics	3
CAMT 160 CAMT 200	Cutting Tools Materials and Processes Inspection and Gaging Computer Numerical Control Robotics Computer Assisted	3 1 3 1
CAMT 160 CAMT 200 CAMT 220 CAMT 250	Cutting Tools Materials and Processes Inspection and Gaging Computer Numerical Control Robotics Computer Assisted Manufacturing	3 1 3 1
CAMT 160 CAMT 200 CAMT 220 CAMT 250 CADD 110	Cutting Tools Materials and Processes Inspection and Gaging Computer Numerical Control Robotics Computer Assisted Manufacturing Engineering Graphics I	3 1 3 1
CAMT 160 CAMT 200 CAMT 220 CAMT 250	Cutting Tools Materials and Processes Inspection and Gaging Computer Numerical Control Robotics Computer Assisted Manufacturing Engineering Graphics I Intro to Computer Aided	3 1 3 1 3 3
CAMT 160 CAMT 200 CAMT 220 CAMT 250 CADD 110 CADD 115	Cutting Tools Materials and Processes Inspection and Gaging Computer Numerical Control Robotics Computer Assisted Manufacturing Engineering Graphics I Intro to Computer Aided Drafting	3 1 3 1 3 3 3
CAMT 160 CAMT 200 CAMT 220 CAMT 250 CADD 110 CADD 115 CADD 130	Cutting Tools Materials and Processes Inspection and Gaging Computer Numerical Control Robotics Computer Assisted Manufacturing Engineering Graphics I Intro to Computer Aided Drafting Engineering Graphics II	3 1 3 1 3 3 3 3
CAMT 160 CAMT 200 CAMT 220 CAMT 250 CADD 110 CADD 115	Cutting Tools Materials and Processes Inspection and Gaging Computer Numerical Control Robotics Computer Assisted Manufacturing Engineering Graphics I Intro to Computer Aided Drafting Engineering Graphics II Computerized Production	3 1 3 1 3 3 3 3
CAMT 160 CAMT 200 CAMT 220 CAMT 250 CADD 110 CADD 115 CADD 130	Cutting Tools Materials and Processes Inspection and Gaging Computer Numerical Control Robotics Computer Assisted Manufacturing Engineering Graphics I Intro to Computer Aided Drafting Engineering Graphics II	3 1 3 1 3 3 3 3

Mathematics Core		3
Math 112 Trigonometry	3	
(or as approved by adviser)		
Professional Electives		7
(upper division as approved by adviser))	
General Electives		1
Total	1	28

* This option also qualifies for an associate of science in computer assisted manufacturing technology.

** Mathematics course in major requirements satisfy three hours of the Core Curriculum.

Minor in CIS - Network Systems Administration

48

CIS Core		24
Comp 110	Programming I	3
Comp 210	Programming II	3
CIS 305	Microcomputer	
	Applications I	3
CIS 310	Microcomputer	
	Applications II	3
CIS 315	Computer Networks I	3
CIS 320	LAN Administration I	3
CIS 325	LAN Administration II	3
CIS 345	Computer Networks II	3
Total		24

Minor in CIS - Information Systems/Informatics Minor

		15
Programming I	3	
Information Systems I (WI)	3	
Microcomputer		
Applications I	3	
Information Systems II	3	
ectives (above Comp 110)	3	
Core *		6
		21
	Information Systems I (WI) Microcomputer Applications I Information Systems II	Information Systems I (WI) 3 Microcomputer Applications I 3 Information Systems II 3 ectives (above Comp 110) 3

* Must be selected from the students major area with approval of the CIS department head.

Minor in CIS - Computer Science Minor

CIS Core			15
Comp 110	Programming I	3	
Comp 210	Programming II	3	
CIS 335	Object Oriented		
	Programming	3	
CIS 350	Data Structures	3	
Comp/CIS E	lectives (above Comp 110))3	
Professiona	Core *		6
Total			21

* Must be selected from the students major area with approval of the CIS department

Associate of Science in CIS -**Network Systems Administration**

	Systems, tallinger	acion.
Core Requir	rements (p. 43)*	22-23
CIS Core		30
Comp 110	Programming I	3
Comp 210	Programming II	3
CIS 305	Microcomputer	
	Applications I	3
CIS 310	Microcomputer	
	Applications II	3
CIS 315	Computer Networks I	3
CIS 320	LAN Administration I	3
CIS 325	LAN Administration II	3
CIS 345	Computer Networks II	3
CIS 355	UNIX System	
	Administration	3
CIS 365	Network Hardware	
	Maintenance	3
Math Core		3
Math 112 or	rabove	3
General Ele	ctives	8-9
Total		64

*Three hours of the core are satisfied by the curriculum's mathematics requirements.

Associate of Science in CIS -Information Systems/ **Informatics Major**

Core Requirements (p. 43) (25-26*) 22-23				
CIS Core		2		
Comp 110	Programming I	3		
Comp 210	Programming II	3		
Comp 302	Information Systems I (WI)	3		
CIS 305	Microcomputer			
	Applications I	3		
CIS 315	Computer Networks I	3		
CIS 410	Information Systems II	3		
Comp/CIS E	Electives (above Comp 110)	3		
Mathematics Core				

Math 112 or above

Professional Core **

General Electives

Total

* Mathematics requirements satisfy three hours of the Core Curriculum.

12

5-6

64

** Must be selected from an auxiliary area such as art, biology, business, communications, mathematics, nursing, etc. with the approval of the CIS department head.

Associate of Science in CIS -**Computer Science Major**

Core Requirements (p. 43)(26*)			18
CIS Core			18
Comp 110	Programming I	3	
Comp 210	Programming II	3	
CIS 315	Computer Networks I	3	
CIS 335	Object Oriented		
	Programming	3	
CIS 350	Data Structures	3	
Comp/CIS Elective (above Comp 110)			
Mathematics Core			5
Math 150	Calculus with Analytic		
	Geometry I	5	
Physics Cor	e		5
Phys 151	Elementary Physics I	5	
Professiona	Core **		12
General Ele	ectives		6
Total			64

* Mathematics and physics courses satisfy eight hours of the Core Curriculum.

** Must be selected from an auxiliary area such as art, biology, business, communications, mathematics, nursing, etc. with the approval of the CIS department head.

Certificate of Achievement in Network Systems Administration

Math 130	or higher	3
Comp 110	Programming I	3
Comp 210	Programming II	3
CIS 305	Microcomputer	
	Applications I	3
CIS 310	Microcompurer	
	Applications II	3
CIS 315	Computer Networks I	3
CIS 320	LAN Administration I	3
CIS 325	LAN Administration II	3
CIS 345	Computer Networks II	3
Total		

Suggested Order of Study

Bachelor of Science in CIS -**Information Systems Major**

Freshman Y	'ear		
1st Semeste	r		
Course		Ηοι	ı
Comp 110	Programming I	3	
Math 131	Finite Math	3	
Psy 120	College Orientation	1	
CORE	[Eng 101 Comp I (WI)]	3	
CORE	[Psy 100 Gen Psy]	3	
CORE	[Kine 101 Physical Activity]	1	
CORE	[Kine 103 Lifetime Wellness]	2	
		16	
2nd Semest	er		
Comp 210	Programming II	3	
Econ 201	Prin of Econ (Macro)	3	
CIS 305	Microcomputer Applications		
CORE	[Eng 102 Comp II (WI)]	3	
CORE	[Bio 101 Gen Biology]	4	
		16	
Sophomore	Year		
1st Semeste	r		
Comp 234	Bus DP Tech (COBOL)	3	
Acct 201	Principles of Accounting I	3	
Econ 202	Prin of Econ (Micro)	3	
CIS 310	Microcomputer Applications	11 3	
CORE	[Phys 100 Phys Scil	5	

2nd Semest	er	
Comp 230	Rpt Prog Gen (RPG)	
CIS 334	Adv Structured COBOL	
CIS 350	Data Structures	
Acct 202	Prin of Acct II	
General Ele	ective	
		1.

Junior Year		
1st Semeste	er	
CIS 321	Interactive RPG/400	3
CIS 335	Object Oriented Programming	3
Econ 350	Financial Management I	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Area 2 C.]	3
CORE	[Hist 110 U.S. History]	3
		18
2nd Semest	er	
Comp 302	Information Systems I (WI)	3
CIS 315	Computer Networks I	3
GB 321	Business Statistics	3
MM 350	Principles of Management	3
CORE	[PSc 120 Govt:US,St,Local]	3
		4 =

Senior Year

CIS 410	Information Systems II	3
CIS 450	Operating Systems (WI)	3
MM 300	Principles of Marketing	3
CORE	[Hist 120 U.S. History]	3
General El	ective	3
		15

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Cis Ag Database Mgmt Sys (Wi) 3 1st Semester Core Area 2 A 3 Cis 40 Information Systems III 3 Adult 1:50 Information Systems III	2nd Semes		2	Senior Year			2nd Semes CIS 425		2	
CORE	CIS 425	Database Mgmt Sys (WI)	3			2		Database Mgmt Systems (WI)		
Core Area 2 B. Literature 3					,					
Second										
Math										
Bachelor of Science in CIS -	General Ele						Math	Elective		
Page			16	General Ele	ective				15	
Pache Pac						15	Soniar Vaz			
Cis 310 Assembly Language 3 Cis 450 Operating Systems (NJ) 3				and Compar	tor					
Compare Com	Bachelor	of Science in CIS -				2			2	
Comp Freshmath Comp	Computer	r Science Major								
Comp 10 Freshman Very 10 Comp 10 Freshman 10 Fres										
Course C	Freshman '	Year								
Comp Toward Free	1st Semeste	er								
Seminary Fregramming 3	Course	Н	lours	General Ele	ective		General Ele	ective		
Pay 1 0 College Orientation 1 Bachel 5 Cience in CIS Cisna Corp Cisna Corp February 3 Corp February 5 February	Comp 110	Programming I	3			16			15	
Cornect Pay 100 Contentation	Math 150	Calculus I	5				2-16			
CORE Eng 101 Comp1 (W1) 3 CORP Eng 102 Comp 1 (W1) 3 Corp 1 (W1) 5 Corp 1 (W1) 5 Corp 2 (W1) Corp 1 (W1) 3 Corp 1 (W1) 5 Corp 2 (W1) C	Psy 120	College Orientation	1						2	
CORE	CORE		3	Bachelor	of Science in CIS -					
Comp Mine 103 Lifetime Wellines 2	CORE	[Psy 100 General Psychology]	3	Computat	ional Mathematics Major					
Freshmat	CORE		2							
Administration Comp Com				Freshman \	Year					
Course Flows Fl				1st Semeste	er		General Ele	ective		
Comp 210 Programming II 3 Comp 110 Programming II 3 Comp 110 Colculus II 5 Colculus II 6 Colculus II 6 Colculus II 6 Colculus II 6 Colculus II 7 Col	2nd Semes	ter		Course	and the state of t	Hours			15	
Math 250 Calculus I 5 Math 150 Calculus I 5			3	Comp 110	Programming I	3				
CORE Eng 102 Comp I (WI) 3 Chem 101 General Chemistry 5 Bachelor of Science in CIS CORE I (Bin 101 General Biology 4 Psy 120 College Orientation 1 I I I I I I I I I										
CORE Rio 101 General Biology 4 Psy 120 College Orientation 1 Riormatics Major							Bachelor	of Science in CIS		
CORE Kine 101 Physical Activity 1							Information	cs Major		
Sophomy				,		3		,		
Sophome Fear 2nd Semester Comp 210 Programming II 3 Comp 210 Programming II 3 Comp 210 Programming II 3 Comp 10 Programming II 3 Come II (WII)							Freshman \	Year		
Sophomy										
Semester Comp 214 Bus DP Tech (COBOL) 3 Math 250 Calculus II 5 Math 131 Finite Math 3 3 Comp 234 Bus DP Tech (COBOL) 3 Math 250 Calculus II 5 Math 131 Finite Math 3 3 Cols 305 Microcomputer Applications 3 CORE Elega 102 Comp II (WI)] 3 CORE Elega 101 Comp I (WI)] 3 CORE Clomm 100 Oral Comm 3 CORE Elega 102 Comp II (WI)] 3 CORE Elega 101 Comp I (WI)] 3 CORE Hist 110 U.S. History 3 CORE Comp 200 Feat Plays 100 Gen. Psy.	Sophomore	e Year		2nd Semes	ter		Course		Hours	
Cis 310						3				
CIS 305			3					0	_	
Math 260										
CORE [Comm 100 Oral Comm] 3 CORE [Kine 101 Physical Activity] 1 CORE [Psy 100 Gen. Psy.] 3 CORE [Hist 110 U.S. History] 3 3 CORE [Kine 101 Activity] 1 17 CORE [Kine 103 Lifetime Wellness] 2 CORD CORE [Kine 103 Lifetime Wellness] 2 CORD Sophomore Year 16 2nd Semester CORD 3 Comp 234 Bus DP Tech (COBOL) 3 2nd Semester Comp 210 Programming II 3 CIS 335 Obad Structured COBOL 3 Math 260 Calculus III 5 Comp 210 Programming II 3 CIS 335 Data Structures 3 CORE [Comm 100 Oral Comm] 3 CORE [Eng 102 Comp II (Wh]) 3 CORE [Area 2 A.] 3 CORE [Hist 110 U.S. History] 3 CORE [Bio 101 Gen. Biology] 4 Junior Year 2 2nd Semester CIS 315 Computer Networks I 3 <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td>3</td>				,					3	
CORE [Hist 110 U.S. History 3 17 CORE [Kine 101 Activity] 1 1 CORE [Kine 101 Activity] 1 1 CORE [Kine 103 Lifetime Wellness] 2 2 2 2 2 2 2 2 2										
CORE Kine 103 Lifetime Wellness 2 2 2 2 2 2 2 2 2					[
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State			100	Sophomore	Year		COME	[Tune 103 Enermie Trenness]		
CIS 310 Microcomputer Applications II 3 Math 260 Calculus III 5 Comp 210 Programming II 3 3	2nd Semes	ter								
CIS 334			3			3	2nd Semes	ter		
CIS 350	CIS 334								3	
Math 300 Fund of Math Thought 3 CORE [Area 2 C.] 3 CORE [Eng 102 Comp I (Wl)] 3										
CORE [Area 2 A.] 3 CORE [Hist 110 U.S. History] 3 CORE [Bio 101 Gen. Biology] 4 Junior Year 2nd Semester CIS 315 Computer Networks I 3 Sophomore Year 166 CIS 335 Object Oriented Programming 3 CIS 315 Computer Networks I 3 Sophomore Year 1 CIS 335 Object Oriented Programming 3 CIS 350 Data Structures 3 1st Semester CIS 430 Intro to Artificial Intelligence 3 Math 300 Fund of Math Thought 3 Comp 234 Bus DP Tech (COBOL) 3 Math 371 Intro to Oper Research(WI) 3 CORE [Psy 100 General Psychology] 3 Acct 201 Principles of Accounting I 3 Phys 151 Elem Coll Physics I 5 CORE [Kine 103 Lifetime Wellness] 2 CIS 310 Microcomputer Applications II 3 General Elective 3 CORE [Area 2 A.] 3 CORE [Phys 100 Phys. Sci.] 5 2nd Semester 5 Junior Year 2 2 2 2nd Semester </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
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Junior Year								
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1st Semeste	r December		CIS 350	Data Structures	3	1st Semeste		
CIS 321	Interactive RPG/400		CIS 310	Microcomputer Applications			Bus DP Tech (COBOL)	3
	Object Oriented Programming			Technical Illustration	3	CIS 305	Microcomputer Applications	
	[Comm 100 Oral Comm]			Intro to Mach Tool Proc	3		Machine Design	3
	[Area 2 C.]		CORE	[Econ 180 Amer Econ System			Intro to Mach Tool Pro	3
	[Hist 110 U.S. History]	3	CONE	Leon 100 / tiller Leon System	15	CORE	[Kine 101 Physical Activity]	1
	ntration/General Elective	3			13	CORE	[Kine 103 Lifetime Wellness]	2
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			1st Semeste					15
2nd Semeste	er		CIS 315	Computer Networks I	3	2nd Semest	tor	
	Information Systems I (WI)		CIS 335	Object Oriented Programmin		CIS 350	Data Structures	3
	Computer Networks I			Computer Aided Drafting	3	CIS 330		
Econ 180	American Economic System			Modern Manufacturing Proc	3		Microcomputer Applications Modern Manufacturing Proc	
CORE	[PSc 120 Govt:US,St,Local]		CORE	[Area 2 C.]	3	CORE	[Econ 180 Amer Econ System	3
	ntration/General Elective		General Ele		3	CORE	[Area 2 A. Literature]	3
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	Operating Systems (WI)		CORE	[Hist 110 U.S. Hist]	3	CIS 315	Computer Networks I Object Oriented Programmin	
	[Hist 120 U.S. History]		CORE					
	ntration/General Elective			[Area 2 A.] Elective (upper division)	3	CAMT 200	Computer Numerical Control	
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			Senior Year			CORE	[Area 2 B.]	3
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	[Area 2 A.]			Comp Prod Plan & Con Sys	3		Industrial Materials	3
	[Area 2 B. Literature]		CORE	[Hist 120 U.S. History]	3		Computer Assisted Mftg	3
roi. Concer	ntration/General Elective		CORE	[Area 2 B. Literature]	3	CORE	[Phys 100 Fund of Phys Sci]	5
		16			15	CORE	[Hist 110 U.S. History]	3
			2nd Semeste	er				17
Rachelor o	f Science in CIS		CIS 425	Database Mgmt Svs (WI)	3	Senior Year		
	f Science in CIS -	(Database Mgmt Sys (WI) [Psy 100 Intro to Psy]				
	f Science in CIS - Technology Major (CADD)		CORE	[Psy 100 Intro to Psy]	3	1st Semeste	r	3
Computer	Technology Major (CADD)		CORE	[Psy 100 Intro to Psy] [Area 5 A. (upper division)]	3	1st Semeste CIS 450	r Operating Systems (WI)	3
Computer Freshman Ye	Technology Major (CADD) ear		CORE CORE CORE	[Psy 100 Intro to Psy] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local]	3 3 3	1st Semeste CIS 450 CIS 410	r Operating Systems (WI) Information Systems II	3
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reshman Yest Semester Course Comp 110	Technology Major (CADD) ear Programming I	Hours	CORE CORE CORE	[Psy 100 Intro to Psy] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local]	3 3 3 4	1st Semeste CIS 450 CIS 410 CADD 310 CORE	r Operating Systems (WI) Information Systems II Comp Prod Plan & Con Sys	3 3 3 3
reshman Yest Semester Course Comp 110 Math 112	Technology Major (CADD) ear Programming I Trigonometry	Hours 3	CORE CORE CORE Professional	[Psy 100 Intro to Psy] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] Elective (upper division)	3 3 3 4	1st Semeste CIS 450 CIS 410 CADD 310 CORE	Operating Systems (WI) Information Systems II Comp Prod Plan & Con Sys [Hist 120 U.S. History]	3 3 3
Freshman Yellst Semester Course Comp 110 Math 112 CADD 110	Technology Major (CADD) ear Programming I Trigonometry Introduction to Drafting	Hours 3 3 3 3	CORE CORE CORE Professional	[Psy 100 Intro to Psy] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] Elective (upper division) f Science in CIS -	3 3 4 16	1st Semeste CIS 450 CIS 410 CADD 310 CORE Professional	Operating Systems (WI) Information Systems II Comp Prod Plan & Con Sys [Hist 120 U.S. History] I Elective (upper division)	3 3 3 3
Freshman Yellst Semester Course Comp 110 Math 112 CADD 110 CADD 115	Technology Major (CADD) ear Programming I Trigonometry Introduction to Drafting Introduction to CADD	Hours 3 3 3 4 3 4 3	CORE CORE CORE Professional	[Psy 100 Intro to Psy] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] Elective (upper division)	3 3 4 16	1st Semeste CIS 450 CIS 410 CADD 310 CORE Professional	Operating Systems (WI) Information Systems II Comp Prod Plan & Con Sys [Hist 120 U.S. History] I Elective (upper division)	3 3 3 15
Freshman Ye st Semester Course Comp 110 Math 112 CADD 110 CADD 115 CORE	Technology Major (CADD) ear Programming I Trigonometry Introduction to Drafting Introduction to CADD [English 101 Comp I WI]	Hours 3 3 3 4 3 3 3 3 3	CORE CORE CORE Professional Bachelor of	[Psy 100 Intro to Psy] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] Elective (upper division) f Science in CIS - Technology Major (CAMT	3 3 4 16	1st Semeste CIS 450 CIS 410 CADD 310 CORE Professional	Operating Systems (WI) Information Systems II Comp Prod Plan & Con Sys [Hist 120 U.S. History] I Elective (upper division) er Database Mgmt Sys (WI)	3 3 3 15
Freshman Ye st Semester Course Comp 110 Math 112 CADD 110 CADD 115 CORE	Technology Major (CADD) ear Programming I Trigonometry Introduction to Drafting Introduction to CADD [English 101 Comp I WI] College Orientation	Hours 3 3 3 4 3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	CORE CORE CORE Professional Bachelor of Computer Freshman Y	[Psy 100 Intro to Psy] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] Elective (upper division) f Science in CIS - Technology Major (CAMT	3 3 4 16	1st Semeste CIS 450 CIS 410 CADD 310 CORE Professional 2nd Semeste CIS 425 CORE	Operating Systems (WI) Information Systems II Comp Prod Plan & Con Sys [Hist 120 U.S. History] I Elective (upper division) er Database Mgmt Sys (WI) [Psy 100 Intro to Psy.]	3 3 3 15
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Freshman Yest Semester Course Comp 110 Math 112 CADD 110 CADD 115 CORE Comp 210 Math Semester Comp 210 Math Semest	Technology Major (CADD) Par Programming I Trigonometry Introduction to Drafting Introduction to CADD [English 101 Comp I WI] College Orientation r Programming II	Hours 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CORE CORE CORE Professional Bachelor of Computer Freshman Yollst Semester Course Comp 110 Math 112	[Psy 100 Intro to Psy] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] Elective (upper division) f Science in CIS - Technology Major (CAMT ear Programming I Trigonometry	3 3 4 16 Hours 3 3	1st Semeste CIS 450 CIS 410 CADD 310 CORE Professional 2nd Semeste CIS 425 CORE CORE	Operating Systems (WI) Information Systems II Comp Prod Plan & Con Sys [Hist 120 U.S. History] I Elective (upper division) er Database Mgmt Sys (WI) [Psy 100 Intro to Psy.] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local]	3 3 3 15
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reshman Yest Semester Course Comp 110 Math 112 MADD 115 MADD 115 MADD 115 MADD 115 MADD 115 MADD 115 MADD 120 MADD 120 MADD 120 MADD 130 M	Programming I English 101 Comp I WI College Orientation Trigoramming I Trigonometry Introduction to Drafting Introduction to CADD (English 101 Comp I WI) College Orientation Tr Programming II Descriptive Geometry Machine Drafting	Hours 3 3 3 1 1 16 13 3 3 3 3 1 4 3 3 3 3 4 3 4 3 4 4 4 4	CORE CORE CORE Professional Bachelor of Computer Freshman Y 1st Semester Course Comp 110 Math 112 CADD 110 CADD 115	[Psy 100 Intro to Psy] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] Elective (upper division) of Science in CIS - Technology Major (CAMT ear Programming I Trigonometry Introduction to Drafting Introduction to CADD	3 3 4 16 Hours 3 3	1st Semeste CIS 450 CIS 410 CADD 310 CORE Professional 2nd Semeste CIS 425 CORE CORE CORE Professional	Operating Systems (WI) Information Systems II Comp Prod Plan & Con Sys [Hist 120 U.S. History] I Elective (upper division) er Database Mgmt Sys (WI) [Psy 100 Intro to Psy.] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] I Elective (upper division)	3 3 3 15
Freshman Ye st Semester Course Comp 110 Math 112 CADD 110 CADD 115 CORE Psy 120 CADD 120 CADD 120 CADD 130 CADD 130 CORE	Programming I Trigonometry Introduction to Drafting Introduction to CADD (English 101 Comp I WI) College Orientation r Programming II Descriptive Geometry Machine Drafting (Engl 102 Comp II (WI))	Hours 3 3 3 1 1 16 16 3 8 3 3 3 1 1 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	CORE CORE CORE Professional Bachelor of Computer Freshman Y. 1st Semester Course Comp 110 Math 112 CADD 110 CADD 115 CORE	[Psy 100 Intro to Psy] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] Elective (upper division) of Science in CIS - Technology Major (CAMT ear Programming I Trigonometry Introduction to Drafting Introduction to CADD [Eng 101 Comp I WI]	3 3 4 16 Hours 3 3 3	1st Semeste CIS 450 CIS 410 CADD 310 CORE Professional 2nd Semeste CIS 425 CORE CORE CORE Professional	Operating Systems (WI) Information Systems II Comp Prod Plan & Con Sys [Hist 120 U.S. History] I Elective (upper division) er Database Mgmt Sys (WI) [Psy 100 Intro to Psy.] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] I Elective (upper division)	3 3 3 15 3 3 3 4 16
reshman Yest Semester Course Comp 110 Math 112 CADD 110 CADD 115 CORE Sy 120 CADD 120 CADD 120 CADD 120 CADD 120 CADD 120 CADD 130 CORE	Programming I English 101 Comp I WI College Orientation Trigoramming I Trigonometry Introduction to Drafting Introduction to CADD (English 101 Comp I WI) College Orientation Tr Programming II Descriptive Geometry Machine Drafting	Hours 3 3 3 1 1 16 16 3 8 3 3 3 3 3 3 4 3 3 4 3 4 3 4 4 4 4 4	CORE CORE CORE Professional Bachelor of Computer Freshman Y. 1st Semester Course Comp 110 Math 112 CADD 110 CADD 115 CORE	[Psy 100 Intro to Psy] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] Elective (upper division) of Science in CIS - Technology Major (CAMT ear Programming I Trigonometry Introduction to Drafting Introduction to CADD	3 3 4 16 Hours 3 3 3 3	1st Semeste CIS 450 CIS 410 CADD 310 CORE Professional 2nd Semeste CIS 425 CORE CORE CORE Professional	Operating Systems (WI) Information Systems II Comp Prod Plan & Con Sys [Hist 120 U.S. History] I Elective (upper division) er Database Mgmt Sys (WI) [Psy 100 Intro to Psy.] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] I Elective (upper division)	3 3 3 15 3 3 3 4 16
reshman Yest Semester Course Comp 110 Math 112 CADD 110 CADD 115 CORE Sy 120 CADD 120 CADD 120 CADD 120 CADD 120 CADD 120 CADD 130 CORE	Programming I Trigonometry Introduction to Drafting Introduction to CADD [English 101 Comp I WI] College Orientation r Programming II Descriptive Geometry Machine Drafting [Engl 102 Comp II (WI)] [Bio 101 General Biology]	Hours 3 3 3 1 1 16 3 8 3 3 3 3 1 3 3 4 3 3 4 3 4 4 6 6 6 6 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8	CORE CORE CORE Professional Bachelor of Computer Freshman Y. 1st Semester Course Comp 110 Math 112 CADD 110 CADD 115 CORE	[Psy 100 Intro to Psy] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] Elective (upper division) of Science in CIS - Technology Major (CAMT ear Programming I Trigonometry Introduction to Drafting Introduction to CADD [Eng 101 Comp I WI]	3 3 4 16 Hours 3 3 3 3 3	1st Semeste CIS 450 CIS 410 CADD 310 CORE Professional 2nd Semeste CIS 425 CORE CORE CORE Professional	Operating Systems (WI) Information Systems II Comp Prod Plan & Con Sys [Hist 120 U.S. History] I Elective (upper division) er Database Mgmt Sys (WI) [Psy 100 Intro to Psy.] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] I Elective (upper division)	3 3 3 15 3 3 3 4 16
Computer Freshman Yest Semester Course Comp 110 Aath 112 CADD 110 CADD 115 CORE Sy 120 Ind Semester Comp 210 Ind Add 1120 Ind CADD 130	Programming I Trigonometry Introduction to Drafting Introduction to CADD [English 101 Comp I WI] College Orientation Programming II Descriptive Geometry Machine Drafting [Engl 102 Comp II (WI)] [Engl 103 Comp II (WI)] [Engl 104 General Biology]	Hours 3 3 3 1 16 16 3 3 4 F	CORE CORE CORE Professional Bachelor of Computer Freshman Y: 1st Semester Course Comp 110 Math 112 CADD 110 CADD 115 CORE Psy 120	[Psy 100 Intro to Psy] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] Elective (upper division) of Science in CIS - Technology Major (CAMT ear Programming I Trigonometry Introduction to Drafting Introduction to CADD [Eng 101 Comp I WI] College Orientation	3 3 4 16 Hours 3 3 3 3	1st Semeste CIS 450 CIS 410 CADD 310 CORE Professional 2nd Semeste CIS 425 CORE CORE CORE Professional	Operating Systems (WI) Information Systems II Comp Prod Plan & Con Sys [Hist 120 U.S. History] I Elective (upper division) er Database Mgmt Sys (WI) [Psy 100 Intro to Psy.] [Area 5 A. (upper division)] [PSc 120 Gov't:US,St,Local] I Elective (upper division)	3 3 3 15 3 3 3 4 16
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174 / Computer Science

2nd Semester	2
Comp 210 Programming II	3
Comp 302 Information Systems I (WI)	3
CORE [Area 2 A.] CORE [Phy 100 or Bio 101]	4-5
Professional Core	3
	5-17
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Sophomore Year	
1st Semester	2
CIS 410 Information Systems II	3
CORE [Kine 103 Lifetime Wellness]	2
CORE [Kine 101 Physical Activity] CORE [Comm 100 Oral Comm]	1 3
CORE [Area 4 A.]	3
Professional Core	3
Floressional Core	15
2nd Semester	2
CIS 315 Computer Networks I	3
CORE [Area 4 B.]	3
Comp/CIS Elective Professional Core	3
General Electives	4-5
	6-17
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Associate of Science in CIS -	
Computer Science Major	
Freshman Year	
1st Semester	
Course	Hours
Comp 110 Programming I	3
Math 150 Calculus I	
	5
Psy 120 College Orientation	5
CORE [Eng 101 Comp I (WI)]	5 1 3
CORE [Eng 101 Comp I (WI)] CORE [Econ 180 Amer Econ Sys]	5 1 3 3
CORE [Eng 101 Comp I (WI)]	5 1 3 3 2
CORE [Eng 101 Comp I (WI)] CORE [Econ 180 Amer Econ Sys]	5 1 3 3
CORE [Eng 101 Comp I (WI)] CORE [Econ 180 Amer Econ Sys]	5 1 3 3 2
CORE [Eng 101 Comp I (WI)] CORE [Econ 180 Amer Econ Sys] CORE [Kine 103 Lifetime Wellness] 2nd Semester Comp 210 Programming II	5 1 3 3 2
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CORE [Eng 101 Comp I (WI)] CORE [Econ 180 Amer Econ Sys] CORE [Kine 103 Lifetime Wellness] 2nd Semester Comp 210 Programming II CIS 315 Computer Networks I Phys 151 Elem Coll Physics I	5 1 3 3 2 17
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CORE [Eng 101 Comp I (WI)] CORE [Econ 180 Amer Econ Sys] CORE [Kine 103 Lifetime Wellness] 2nd Semester Comp 210 Programming II CIS 315 Computer Networks I Phys 151 Elem Coll Physics I	5 1 3 3 2 17
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Associate of Science in CIS Network Systems Administration

Freshman Y	ear	
1st Semeste	r	
Course		Hours
Eng 101	English Composition I	3
Psy 120	College Orientation	1
Comm 100	Oral Communications	3
Math 130	College Algebra	3
Comp 110	Programming I	3
CIS 305	Microcomputer Applications	1 3
		16
2nd Semest	er	
CODE	[1 4 2 2 2 4]	2

CORE [Area 2.A.] 3 Phys 100 Fund of Phys Science 5 Comp 210 Programming II 3 CIS 310 Microcomputer Applications II 3 CIS 315 Computer Networks I 3 17

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1st Semeste	er	
CORE	[Area 4.C.]	3
Kine 101	Physical Activity	1
Elective		
CIS 320	LAN Administration I	3
CIS 345	Computer Networks II	3
CIS 355	UNIX Systems Administration	3

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ter	
[Area 4.A.]	3
Lifetime Wellness	2
	4
LAN Administration II	3
Network Hdware Maintenance	3
1	15
	Lifetime Wellness LAN Administration II Network Hdware Maintenance

For additional information contact:
Dr. Jack L. Oakes

Office: Matthews Hall 223B Phone: (417)625-9683 E-Mail: oakes-j@vm.mssc.edu

Course Descriptions

Computer Science

(Comp)

Comp 105 (F, S) 3 hrs. cr. **Introduction to Microcomputer Use**

The fundamental use of microcomputers through packaged software and operating systems. The student will be introduced to word processing, spreadsheets, file management, and communications tools to aid in productivity and to develop a degree of confidence in the use of microcomputers.

Comp 110 (F, S)

3 hrs. cr.

Programming I

Introduces programming in a personal computer based environment. The student will learn the fundamentals of PC hardware, operating systems, and programming. Special emphasis is placed on proper program style, including modularity and structured design. The language of implementation is C. Corequisite: Math 112, or Math 130, or Math 140, or above.

Comp 115 (Demand) 3 hrs. cr. **Programming in VISUAL BASIC**

Introduces the BASIC programming language. A service course for non-majors. Problem analysis and program design emphasized. The student will learn syntax and language features through arrays and files. Corequisite: Math 112, or Math 130, or Math 140 or above.

Comp 120 (Demand) 3 hrs. cr. FORTRAN

Introduces the FORTRAN programming language and includes applications from mathematics, statistics, and engineering. Prerequisite: Math 112, or Math 130, or Math 140 or above.

Comp 210 (F, S) 3 hrs. cr.

Programming II

Continued development of the programming and problem solving skills introduced in Comp 110. Structured programming and modular design are emphasized. Includes an in-depth coverage of pointers, strings, arrays, structures, and files. Introduction to linked lists, stacks, and queues. The language of implementation is C. Prerequisite: Comp 110.

Comp 230 (S) 3 hrs. cr.

Report Program Generation (RPG)

Introduces the programming language RPG II/III/400 which is designed for quick and efficient production of business reports. Includes language syntax and practice in preparing, compiling, and executing applications of increasing complexity. Prerequisite: (Comp 210 or above) or consent of department head.

Comp 234 (F) 3 hrs. cr.

Business Data Processing Techniques (COBOL) Methods and techniques for solving business related problems using a business oriented language (COBOL). Applications may include payroll systems, inventory control systems, billing systems, sorting techniques, and file maintenance. Introduction to principles of software engineering. Prerequisite: Comp 210 or consent of department head.

Comp 298 (Demand) 1-3 hrs. cr. Selected Topics in Computer

Information Science

Each offering is a subject not normally included in another course. Prerequisites will be specified by the department in a syllabus.

Computer Science / 175

Comp 301 (Demand)

3 hrs. cr.

Principles of Digital Computing

Hardware and software concepts which are pertinent to the design of digital computers. Topics covered include data representation techniques, computer circuits, assemblers, compilers, loaders, I/O programming, microprocessors, memory hierarchy, memory management, and operating systems. Prerequisite: Comp 210 or above.

Comp 302 (S) 3 hrs. cr. Information Systems I (Writing Intensive) Introduces and develops understanding of an organization's information requirements and examines the design of information systems that facilitate its management. The criteria used to select appropriate hardware and software are investigated. Emphasis on the student's ability to analyze computer based information systems using standard analysis and design methodologies. Prerequisite: (CIS 305 or MM 237) or consent of the

Computer Science Information (CIS)

CIS 305 (F, S)

department head.

3 hrs. cr.

Microcomputer Applications I

Overview of the most common environment and software tools for the serious user of microcomputers. Hardware topics are included to allow the student to compare and select from system configurations according to their applications requirements. An introduction to the basic elements of an operating system and a graphic user interface is followed by intensive practice with the major components of an integrated software suite of applications; word processing, spreadsheets, graphics, and presentation software. A variety of data communications topics are included from the use of a local area network through connections to a world wide system. Prerequisite: (Comp 105 or equivalent microcomputer experience.)

CIS 310 (F, S)

3 hrs. cr.

Microcomputer Applications II

In-depth look at the most common environment and professional tools for the use of microcomputers. Hardware topics are included to allow the student to setup and configure a system, install peripherals, and reconcile their hardware and software combination. An operating system, graphic user interface, and local area network are examined with special emphasis on the automation of tasks and the customization of systems by programming constructs. The major components of an integrated software suite are extended to include database management applications, programming, and a broad-based use of the Internet. Prerequisite: (CIS 305) and (Comp 110 or elementary knowledge of programming).

CIS 315 (S)

3 hrs. cr.

Computer Networks I

Introduction to the design, installation, and management of enterprise local area networks. Network selection, configuration, security, backup and recovery are major topics. User rights and privileges, file and device sharing are also covered. Prerequisite: CIS 305 or MM 237 or CAMT 310 or consent of the department head.

CIS 320 (F)

3 hrs. cr.

LAN Administration I

This is a new course which will support the Network Systems Administration curricula. At publication time for this catalog, its exact content had not been determined. Prerequisite: CIS 315 or consent of instructor.

CIS 321 (F)

3 hrs. cr.

Interactive RPG/400

On-line programming of business applications. Major topics include file creation and maintenance, structured methodologies, advanced features of RPG III/400, and the IBM AS/400 environment. Prerequisite: Comp 230 or consent of instructor.

CIS 325 (S)

3 hrs. cr.

LAN Administration II

This is a new course which will support the Network Systems Administration curricula. At publication time for this catalog, its exact content had not been determined. Prerequisite: CIS 320 or consent of instructor.

CIS 330 (S, Even)

3 hrs. cr.

Assembly Language

Introduction to low-level machine architecture and assembly language programming using the IBM PC. Includes data representation, instruction set, program logic, and problem solving. In addition to the assembly, linking, and execution of programs; debugging, optimization, and interfacing to high-level languages will be practiced. Prerequisite: Comp 210.

CIS 334 (S)

3 hrs. cr.

Advanced Structured COBOL

On-line programming of business applications utilizing CICS in mainframe and microcomputer environments. File creation and maintenance (VSAM), structured methodologies, and advanced features of COBOL are major topics. Prerequisite: Comp 234 or consent of instructor.

CIS 335 (F)

3 hrs. cr.

Object Oriented Programming

Introduction to object oriented programming, a computer programming methodology in which data and operators are strongly linked into named classes whose instances are called objects. Topics covered include object management, encapsulation, polymorphism, inheritance, type extensibility, and object oriented problem analysis and design. The language of implementation is C++. Prerequisite: CIS 350.

CIS 345 (F)

Computer Networks II

This is a new course which will support the Network Systems Administration curricula. At publication time for this catalog, its exact content had not been determined. Prerequisite: CIS 315 or consent of instructor.

CIS 346 (Demand)

2 hrs. cr.

Teaching Computer Science in Secondary School

Methods for teaching computer science/data processing subjects in secondary schools. It serves as part of the professional semester.

CIS 350 (S) **Data Structures** 3 hrs. cr.

Continued development of knowledge of data structures. Includes an in-depth coverage of pointers, linked lists, stacks, queues, trees, and graphs. Special emphasis on the coverage of algorithms that are designed to efficiently manipulate these structures and techniques for selecting the most appropriate data structures for a given application. The language of implementation is C. Prerequisite: Comp 210.

CIS 355 (F)

3 hrs. cr.

Unix System Administration

This is a new course which will support the Network Systems Administration curricula. At publication time for this catalog, its exact content had not been determined. Prerequisite: Comp 110.

CIS 360 (S, Odd)

3 hrs. cr.

Computer Graphics

Interactive computer graphics programming including windowing, clipping, two and three dimensional transformations, perspective projections, curved surface modeling, light, and color. The functional capabilities of computer graphics systems and their applications will be covered. Prerequisite: Math 150 and Comp 210.

CIS 365 (S)

3 hrs. cr.

Network Hardware Maintenance

This is a new course which will support the Network Systems Administration curricula. At publication time for this catalog, its exact content had not been determined. Prerequisite: CIS 345 or consent of instructor.

CIS 400 (Demand)

1 hr. cr.

Computer Colloquium

Students have the opportunity to make and attend individual presentations on computer topics of current and special interest. These topics are researched and organized by the student presenters and should make use of the best available software and media tools. Supplemental topics are presented by faculty and invited area computer professionals. May be repeated once for credit. Meets 2 hours per week for 1 hour credit. Prereguisite: Upper division standing.

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CIS 401 (F, S)

3-8 hrs. cr.

Internship in Computer Information Science

A limited number of computer information science students may serve an internship of 15 to 20 hours per week for up to 16 weeks. Credit hours will be arranged through the coordinator of the internship program. The intern will work for a local, cooperating firm in a production data processing environment gaining valuable experience in programming and/or systems analysis and design to supplement course work. The on-site work will be supervised by a professional employee of the firm and overseen by an MSSC faculty member. Prerequisite: Upper division standing, department approval, and an overall GPA of 3.00.

CIS 410 (F)

3 hrs. cr.

Information Systems II

Continued development of the ability to analyze and design computer-based information systems. Includes in-depth coverage of analysis and design methodologies, computer-aided software engineering tools, and project management techniques. Teamwork is emphasized. Prerequisite: Comp 302.

CIS 425 (S)

3 hrs. cr.

Database Management Systems

(Writing Intensive)

Survey of database management theories and experience in the application of database technology. An emphasis will be placed on the relational model. Functions of database management systems, data modeling, and database design are stressed. Prerequisite: Comp 234.

CIS 430 (F, Odd)

3 hrs. cr.

Introduction to Artificial Intelligence

Introduces the process of developing intelligent computer software. Al topics which are covered include knowledge abstraction and representation, heuristic search techniques, expert systems, language processing, machine learning, and metaprogramming. Prerequisites: CIS 350 and Math 300.

CIS 450 (F)

3 hrs. cr.

Operating Systems (Writing Intensive) Fundamental concepts of operating system design. Emphasis on identifying problems an operating system must solve and considering the range of alternative solutions which may be implemented. Topics include process management, memory management, processor management, auxiliary storage management, and security. The UNIX operating system is highlighted. Prerequisite: CIS 350.

CIS 460 (Demand)

3 hrs. cr.

Programming Languages

Mechanisms and formality behind language structure, particularly as applied to some of the more modern and esoteric computer programming languages. A formal approach to syntactic analysis, grammars, and parsing techniques will lead into an introduction to automata and their relation to language and problem solving. Several diverse programming languages will be examined with example programs to be written in each. Prerequisite: Two programming language courses.

CIS 498 (Demand)

1-3 hrs. cr.

Seminar in Computer Information Science

Addresses emerging topics in computer science and management information systems. Each offering will be on a subject not normally included in another course. Prerequisite: Upper division standing with an overall GPA of 3.0 or above. Other prerequisites may be specified in each course syllabus.

CIS 499 (Demand)
Independent Study

1-3 hrs. cr.

An independent study course is structured by the adviser with approval of the department head. Prerequisite: Upper division standing with an overall GPA of 3.0 or above. Registration in the course must be approved by the adviser, the department head, and the dean of the school.

Criminal Justice Administration

Justice Center 109, 625-9302

Faculty Terry - Director, Owen, Richards, Scott, Spencer, Spurlin, Williams, Wolf.

The Criminal Justice Administration department offers two degrees, the bachelor of science in criminal justice administration and the associate of science in law enforcement.

The Criminal Justice programs and activities are a vital part of the law enforcement effort in Missouri and adjacent states. The Regional Criminalistic Laboratory is housed in the Justice Center building and actual evidence is evaluated by criminalists who process the evidence and testify in court as expert witnesses. Also housed in the Justice Center is a complete photographic laboratory.

Missouri law requires new police officers to obtain "basic training" from a certified "law enforcement academy." Missouri Southern operates the regional academy for the State of Missouri. Many students choose to take their Basic Law Enforcement Academy Training at the Justice Center while attending college, to make them even more employable upon graduation.

Visitors to the modern Mills Anderson Justice Center building are generally impressed by the constant and diverse activities taking place in classrooms, laboratories, and hallways. College students mingle in classes and on breaks with working law enforcement officers, paramedics, emergency medical technicians, fire fighters, and others from the community.

Another unique feature of the building is the modern indoor firearms range located in the basement. Police officers, students and others are introduced to a "live fire" range and state-of-the-art computer laser system for weapons training. Firearms training is conducted under the guidance of qualified range masters. While there are other criminal justice programs in the nation, this one is perhaps unique in the combination of the many "real world" activities going on with which the College serves the community in a practical sense. This works to the benefit of the pre-service college student who is able to take advantage of the modern facilities and expertise of the highly qualified faculty. Missouri Southern's graduates generally return for special seminars and training to keep them updated on recent changes in technology and legal subjects. The Justice Center is a busy place where interested and motivated students work and learn with a competent and dedicated staff.

A bachelor's degree in criminal justice administration prepares the student for many different graduate programs such as law school. It also prepares the student for careers in law enforcement, juvenile justice, corrections, probation and parole, private or industrial security, federal investigative agencies and related positions. Many of these positions have requirements relating to physical condition and integrity of personal background with which the student should become familiar.

The College also offers the associate of science in law enforcement see page 181.

Bachelor of Science in Criminal Justice Administration

Semester Hour

	Semester	Hours
Core Requ	irements (p. 43)	51
Criminal Ju	ustice Requirements	24
LE 100	Introduction to	
	Criminal Justice	3
LE 210	Criminal Procedures	3
LE 250	Criminal Law	3
LE 280	Interview and Report	
	Writing (WI)	3
CJAd 432	Ethics In Criminal Justice	3
		4 =

15

Criminal Justice / 177

2nd Semester

Select one	from the following:	
	Introduction to Security	3
	Physical Security	3
CJAd 330	Loss Prevention	
	Techniques	3
Select one	from the following:	
	Probation and Parole	3
CJAd 412	Correctional Practices (W	(I) 3
Select one	from the following:	
CJAd 410	Juvenile Procedures	3
CJAd 411	Juvenile Corrections (WI)	3
	white committee	2
26 credit h	nt must also select a minim nours from the following lis rse electives: (Students ma	t of
	classes that were selected i	
LE 110	Police Organization and	
15.400	Administration	2
LE 180	Basic Law Enforcement	10
IE 101	Academy*# Basic Law Enforcement	12
LE 181	Academy II*#	12
LE 190	First Responder	2
LL 130	i iist Kespondei	4

Criminal Investigation I

Legal & Technical Aspects

Patrol Procedures

Law Enforcement

Police Supervision and Management

Special Topics*

Photography

of Firearms

CJAd 210 Basic Photography CIAd 230 Introduction to Security CJAd 300 Criminal Investigation II (WI) 3

CJAd 301 International Justice

Systems

CIAd 325 Physical Security

CJAd 330 Loss Prevention

CJAd 350 Fish and Game

CIAd 390 Crime Analysis*

CJAd 310 Traffic Accident Invest

and Control CIAd 320 Probation and Parole*

Techniques

Systems*

CJAd 331 Administration of Security

Enforcement

CJAd 400 Homicide Investigation*

CJAd 410 Juvenile Procedures* CIAd 411 Juvenile Corrections* (WI)

CJAd 360 Professional Development 2

LE 200

LE 225

LE 245

LE 260

LE 290

LE 298

CJAd 412	Correctional Practices	3
CJAd 430	Family Violence	3
CJAd 440	Victims and the Criminal	
	Justice System	3
CJAd 450	Criminal Evidence*	3
CJAd 490	Internship in Criminal	
	Justice Administration*	4-8
CJAd 498	Seminar in Criminal	
	Justice Administration*	1-3
CJAd 499	Independent Study*	1-3
		2

*See course descriptions for prerequisites. #Only 12 hours of the Basic Law Enforcement Academy will be applied to the 26 hour elective requirement.

General electives selected with adviser approval among which must be sufficient upper division courses (courses numbered at the 300 or 400 level) to complete the College's requirement for a minimum 40 upper-division hours. A minor is highly recommended.

Electives	30
Total	128

Minor in Criminal **Justice Administration**

The minor consists of 21 hours of course work which includes: LE 100 Introduction to Criminal Justice, LE 210 Criminal Procedures, LE 250 Criminal Law and 12 additional hours of LE or CJAd courses, nine of which must be upper division.

Suggested Order of Study

Bachelor of Science Degree Major Code 2105 **Criminal Justice Administration Major**

Freshman Year

1st Semester Course Hours LE 100 Intro. to Criminal Justice CORE [Kine 103 Lifetime Wellness] [Eng 101 Comp I] CORE Computer Literacy Requirement [Comm 100 Oral Comm] CORE CORE [Psv 120 College Orient] CORE [Kine 101 Physical Activity] 16

LE 280 CORE CJAd	Interview and Report Writing [Eng 102 Comp] Required course	3 3 3
Math 110	Intro College Math or higher	3
CORE	[Bio 101 General Biology]	4
		16
Sophomore	Vear	
1st Semester		
LE 210	Criminal Procedures	3
CORE	[Hist 110 U.S. History]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CJAd	Elective	3
CJAd	Required Course	3
		17
2nd Semeste	ar .	
LE 250	Criminal Law	3
CJAd	Required Course	3
Psy 100	[General Psychology]	3
CORE	[Econ 180 Amer Econ Sys]	3
Elective	[A minor is suggested]	3
CORE	[Literature]	3
		18
Junior Year 1st Semester		
CJAd	Elective	3
CORE	Elective [International Stu]	3
Elective	[A minor is suggested]	3
CORE	[PSc 120 Gov't: U.S/Sta/Loc]	3
CORE	[Elective-Fine Art]	3
		15
2nd Semeste		
CJAd	Elective	3
CORE	[Fine Art]	3
Elective CORE	[A minor is suggested] [Hist 120 U.S. History]	3
Elective	[A minor is suggested]	3
Licetive	[/ tillion is suggested]	15
Senior Year		
1st Semester		
CJAd	Elective	3
CJAd	Elective	4
CJAd Elective	Elective [A minor is suggested]	3
Elective	[A minor is suggested]	3
Licetive		16
2nd Semeste	r	
CJAd 432	Ethics in Criminal Justice	3
CJAd	Elective	3
CJAd	Elective	3
Elective	[A minor is suggested]	3
Elective	[A minor is suggested]	3 15
[Department All electives prior to enrol	Recommendations] must be approved by a CJAd a Ilment.	dviser

For additional information contact: Criminal Justice Department Mr. Robert Terry Office: Justice Center 103

Phone: 625-9302

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Corrections

Justice Center 109, 625-9302

Faculty Terry - Head, Williams, Gubera

A minor in Corrections is designed to prepare students who are seeking a career in the field of adult or juvenile corrections. Corrections offers students a variety of employment possibilities in local, state, and federal agencies. These employment opportunities include juvenile or adult probation and parole officer, pretrial or post-trial investigator, detention officer, corrections specialist, or corrections caseworker. Students majoring in criminal justice, psychology, or sociology who have a desire to work in the field of corrections will find this minor beneficial.

A minor in Corrections consists of 24 credit hours. Students must a have a faculty adviser for a minor in Corrections.

Minor in Corrections

	Semester H	Hours
LE 210	Criminal Procedures	3
CJAd 320	Probation and Parole	3
CJAd 411	Juvenile Corrections	3
CJAd 412	Correctional Practices	3
Soc 351	Criminology	3
Soc 362	Deviant Behavior	3
Soc 391	Penology and Corrections	3
Psy 221	Psychology of Personal	
	Adjustment	3
		24

For additional information contact:

Mr. Robert Terry

Office: Justice Center 103 Phone: 625-9302

Juvenile Justice

prepare students who are seeking a career in

and aftercare of the juvenile offender as well as child protection are the primary emphases of a minor in Juvenile Justice.

Students majoring in criminal justice, psychology, or sociology who have a desire to work in the Juvenile Justice system will find this minor beneficial. Juvenile officer, child abuse investigator, group home counselor, and court-appointed guardian ad litem are just a few of the employment options available to a graduate with a Juvenile Justice

A minor in Juvenile Justice consists of 24 credit hours. Students must a have a faculty adviser for a minor in Juvenile Justice.

Minor in Juvenile Justice

	Semester	Hour
LE 250	Criminal Law	3
CJAd 410	Juvenile Procedures	3
CJAd 411	Juvenile Corrections	3
CJAd 320	Probation and Parole	3
Soc 312	Juvenile Delinquency	3
Soc 406	Child Abuse	3
Psy 300	Child Development	3
Psy 301	Adolescent Psychology	3
		2

For additional information contact:

Mr. Robert Terry

Office: Justice Center 103 Phone: 625-9302

Course Descriptions

CIAd 210 (F, S)

Basic Photography

Lecture and laboratory procedures for use of cameras, lenses, developing negatives and prints. No credit if LE 245 has been completed. Lab fee and

additional lab time arranged.

CIAd 230 (S) 3 hrs. cr.

Introduction to Security

Overview of the security industry and its role in loss prevention. Public versus private security roles for retail business, industrial and governmental protection. Basic principles such as target hardening and current problems.

CIAd 298 (Demand)

1-8 hrs. cr.

Special Topics in Criminal Justice Administration

Course content varies and is designed to meet current needs and interests in the rapidly changing field of criminal justice administration. Precise topics are announced with prerequisites stipulated in the course syllabus.

CJAd 300 (S)

3 hrs. cr.

Criminal Investigation II

(Writing Intensive)

Major case investigative methods, sources of information, development of leads, methods applicable to organized crime and specific offenses. Prerequisite: Eng. 102 or 111

CJAd 301 (F)

3 hrs. cr.

International Justice Systems

A study of justice systems around the world, comparing them to America's justice system. Course considers the three important components of a justice system; police, courts, and corrections. Includes cultural differences of the countries studied as they relate to their justice system.

CIAd 310 (F)

3 hrs. cr.

Traffic Accident Investigation and Control

Theory and techniques for investigation and reducing occurrence of motor vehicle accidents, collection and evaluation of physical evidence reporting.

CIAd 320 (S) **Probation and Parole**

3 hrs. cr.

Study of pre-sentence investigation methods, predicting parole behavior, supervisory practices, legal aspects, the use of amnesty and pardons. Prerequisites: LE 100, Soc 110 or instructor's permission.

CJAd 325 (S)

3 hrs. cr.

Physical Security

Physical aspects of the security industry and its role in loss prevention for retail business, industrial and governmental protection. Consideration of barriers and perimeter protection, alarm systems, computer and hazardous materials protection and survey techniques.

CJAd 330 (F)

3 hrs. cr.

3 hrs. cr.

Loss Prevention Techniques

Security techniques in loss prevention for retail business, industry, governmental protection, hotel and motel, hospital, school, transit systems and utilities.

CJAd 331 (Demand)

3 hrs. cr.

Administration of Security Systems

The security administrator's role in business, industrial and governmental protection. Organizing, training, managing and designing security programs. Prerequisites: CJAd 230, CJAd 325 or CJAd 330 or instructor's permission.

Justice Center 109, 625-9302

Faculty Terry - Head, Scott, Spencer, Gubera

A minor in Juvenile Justice is designed to the Juvenile Justice System. Adjudication

Criminal Justice, Dental Hygiene / 179

CJAd 350 (S)

3 hrs. cr.

Fish and Game Enforcement

Problems and procedures encountered and used by conservation enforcement officers. Laws and enforcement procedures.

CIAd 360 (Demand)

2 hrs. cr.

Professional Development

Development of employability and career skills will be emphasized focusing on tools necessary for employment, communication skills, corporate etiquette, business dress, adjusting to the corporate environment and the professional image.

CJAd 390 (F)

3 hrs. cr.

Crime Analysis

A study of the patterns of crime. The course will emphasize the analysis of crime patterns and criminal behavior. The course will consider the identification of evolving or existent crime patterns and series crime, the forecasting of future crime occurrences and the initiation of target profile analysis. Prerequisites: Upperclass standing, LE 100 and LE 250 or permission.

CIAd 400 (Demand)

3 hrs. cr.

Homicide Investigation

Legal and criminalistic concepts and procedures for the medico-legal investigation of death due to natural, accidental, suicidal or criminal cause. Prerequisite: LE 200 or permission.

CJAd 410 (F)

3 hrs. cr.

Juvenile Procedures

Juvenile and family court procedures and substantive law as applied to the youthful offender. Procedures for juvenile officers such as collection of evidence, taking into custody and development of the case. Prerequisite: LE 210 or permission.

CJAd 411 (S)

3 hrs. cr.

Juvenile Corrections (Writing Intensive)
Overview of the design and legal requirements of juvenile correctional institutions including an analysis of the juvenile interstate compact laws and management principles of juvenile correctional institutions. Prerequisite: Soc 110 and Eng. 102 or 111

CJAd 412 (F)

3 hrs. cr.

Correctional Practices (Writing Intensive)
History of corrections as it relates to correctional
practices. In-depth study of the rights of the incarcerated inmate as well as the powers and duties of
the correctional officer. Prerequisites: LE 100 and
Eng. 102 or 111 or permission.

CJAd 430 (S)

3 hrs. cr.

Family Violence

Introduces the dynamics of family violence from the prospective of law enforcement. Examines the relationships between victims, offenders and other family members. Focuses on these relationships and the challenge they pose to the criminal justice system. Special attention on the complicated justice system which is increasingly intervening in these family systems.

CIAd 432 (S)

3 hrs. cr

Ethics in Criminal Justice

A comprehensive investigation of ethical problems confronting criminal justice professionals. Focus is placed on the philosophical and practical dilemmas surrounding the modern criminal justice system, in the United States and foreign countries, to include the police, courts, and correctional subsystems. The course will examine various value systems and historical theories as well as promote discussions of moral and ethical behavior from personal, social, and criminal justice perspectives. Prerequisites: Upperclass standing, LE 100 and LE 210 or permission.

CJAd 440 (F)

3 hrs. cr.

Victims and the Criminal Justice System

Introduces the study of victimization. Examines the relationship between victims and the criminal justice system.

CJAd 450 (S) Criminal Evidence

3 hrs. cr.

Rules of evidence, admissibility, presumptions, inferences, burden of proof and exceptions to the hearsay rule. Prerequisite: LE 210, LE 250 or per-

CJAd 490 (Arr)

4-8 hrs. cr.

Internship in Criminal Justice

Extensive practical experience with an area criminal justice agency, subject to individual committee approval. Not open to those who have taken LE 180. Prerequisite: Junior or senior standing, CJAd major, department approval, overall GPA 2.5 and a CJAd GPA 3.2.

CIAd 498 (Demand)

1-3 hrs. cr.

Seminar in Criminal Justice

A survey of current advances in the field. Precise topics to be announced, for upper division majors in CJAd or those who have completed the A.S. degree in law enforcement. Prerequisite: permission of instructor.

CJAd 499 (Arr)

1-3 hrs. cr.

Independent Study in Criminal Justice

Individually directed study for advanced majors in area of criminal justice selected with adviser approval. Proposal must be approved by program director and school dean. Prerequisite: 3.5 GPA in major area or permission.

Dental Hygiene

Ummel Technology Building 101, 625-9379

Faculty Scorse DeTar - Director, Karst, Strait, White

The dental hygienist is a dynamic health care professional who is the only member of

the dental health team, other than the dentist, licensed to provide direct care to the patient. The diverse duties of the dental hygienist are rewarding and include oral prophylaxis (cleaning); exposing, processing and mounting radiographs; collecting and evaluating medical history information; performing head and neck examinations: periodontal assessment and therapy; applying agents for the prevention of decay; applying desensitizing and antimicrobial agents and administering local anesthesia and nitrous oxide analgesia. The dental hygienist also acts as a dental health educator and is responsible for teaching patients prevention of dental disease and providing nutritional counseling.

Dental hygiene employment opportunities are numerous and vary greatly. They include general practice and specialty dental offices; federal, state, county and city health clinics; public schools; hospitals; long-term care facilities; dental schools; industrial clinics; the armed services; and research institutions.

Missouri Southern offers an associate of science degree in dental hygiene. Upon satisfactory completion, graduates are eligible to take the National Board Examination and practical examinations required for licensure in Missouri and other states. This program is accredited by the American Dental Association.

Admission to Missouri Southern does not automatically grant admission to the dental hygiene program. In addition to meeting admission requirements for the College, candidates must apply for admission to the department of dental hygiene. Applications are reviewed by the Selection Committee for Dental Hygiene. Applicants must submit the necessary information by February 1. Applicants must have an overall GPA of 2.75 to apply, or a GPA of 2.50 with an ACT composite score of 25 or better.

Evidence of satisfactory completion of the following prerequisites with a "C" or better must be presented:

Bio 121 General Zoology

Eng 101 English Composition
Math 030 Intermediate Algebra (or higher)

Chem 100 Introductory Chemistry

Bio 231 General & Medical Microbiology Bio 306 Human Physiology & Anatomy

Comm 100 Oral Communications Kine 103 Lifetime Wellness

180 / Dental Hygiene

Enrollment is limited and all applicants are admitted contingent upon the completion of physical and dental examinations and the rendering of an acceptable health status. Students are admitted to the dental hygiene program only in the fall of each year.

Interested individuals are encouraged to contact the Director of Dental Hygiene for more specific information regarding admissions criteria.

In addition to established fees for all college students, the following are minimum costs incurred by dental hygiene students: \$1000 for uniforms, safety glasses, books, graduation pins, ADHA student membership dues, liability insurance, and various expenses for transportation to off campus clinical sites and professional meetings; approximately \$600 for licensure exams which will vary depending on state(s) in which license is desired; approximately \$1400 for student instrument kit and supplies.

The associate of science in dental hygiene requires a minimum of 89 credit hours, including the prerequisite courses. All courses in the suggested order of study must be completed in the prescribed sequence. Course grades of "C" or above in dental hygiene and supporting science courses are necessary for retention in the dental hygiene program. (The successful dental hygiene applicants tend to be the ones who have completed the majority or all of the science and Core Curriculum courses with the exception of the dental hygiene courses.)

Associate of Science Degree in Dental Hygiene

	Semester H	lours
Core Requi	rements (p. 43)	25
Dental Hyg	giene Requirements	64
DH 101	Fundamentals of Dental	
	Hygiene I	4
DH 102	Fundamentals of Dental	
	Hygiene II*	4
DH 140	Dental Morphology	1
DH 150	Oral Histology and	
	Embryology	3
DH 160	Dental Radiology	2
DH 190	Clinical Dental	
	Hygiene I*	2
DH 200	Dental Health Education	3
DH 210	Perio-Pathology	4
DH 220	Dental Materials	3
DH 290	Clinical Dental Hygiene II	*5

DH 310	Nutrition	2
DH 320	Pharmacology	2
DH 330	Ethics and Community	
	Dentistry*	3
DH 390	Clinical Dental	
	Hygiene III*	5
Bio 231	Medical Microbiology*	5
Bio 240	Radiation Biology*	3
Bio 306	Human Physiology and	
	Anatomy*	5
Chem 100	Introductory Chemistry*	5
Soc 110	Intro to Sociology	3
Psy 100	General Psychology (COR	E)
		8

*See course descriptions for prerequisites

Suggested Order of Study

Associate of Science - over three years Major Code 5203 Dental Hygiene Major

Fall Semester	Prerequisites	Hours
Bio 121	General Zoology	4
CORE	[Eng 101 Comp I]	3
Math 030	Inter Algebra (or higher)	3
Chem 100	Intro Chemistry (w/lab)	5
		15

Spring Semes	ter Prerequisites	
Bio 231	Gen & Med Microbio (w/lab)	5
Bio 306	Human Phys & Anatomy	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 103 Lifetime Wellness]	2
	to the first have been a first of the	15

Fall Semester	1st Year Dental Hygiene	
DH 101	Fund of Dental Hygiene I	4
DH 140	Dental Morphology	1
DH 150	Oral Histology & Embr	3
Psy 100	General Psychology	3
CORE	[Kine 101 Physical Activity]	1
CORE	[PSc 120 or MO Const Test]*	3
	12-1	5

Spring Sem	ester 1st Year Dental Hyg	iene
DH 102	Fund of Dental Hygiene II	4
DH 160	Dental Radiology	2
DH 220	Dental Materials	3
DH 310	Nutrition	2
Bio 240	Radiation Biology	3
		14
Summer Se	ession 1st Year Dental Hyg	giene
DH 190	Clinical Dental Hygiene I	2
DH 210	Perio-Pathology	4
		6

2nd Year Dental Hygiene

Dental Health Education

Pharmacology

Clinical Dental Hygiene II

[Hist 110 or 120 or PSc 120] 3

Fall Semester

DH 200

DH 290

DH 320

CORE

Spring Sem	ester 2nd Year Dental Hy	giene
DH 330	Ethics & Comm Dentistry	3
DH 390	Clinical Dental Hygiene III	5
CORE	[Humanities or Fine Arts]	3
Soc 110	Intro to Sociology	3
		14

*12 hours if Missouri Constitution Test is passed. [Department Recommendation]

For additional information contact: Sandra A. Scorse DeTar, D.D.S. Office: Technology Building 111-E Phone: 625-9379 / 625-9600 / 625-9711

Course Descriptions

OH 101 (F) 4 hrs. cr.

Fundamentals of Dental Hygiene I

Introduction to fundamental theories, principles and procedures necessary to provide dental hygiene services. Theories and principles are applied in clinical laboratory setting. Two hrs. lecture, 6 hrs. lab per week.

DH 102 (S) 4 hrs. cr.

Fundamentals of Dental Hygiene II

Continuation of DH 101 with further enrichment of skills necessary to perform preventive oral health services. Theories and principles are applied in clinical laboratory setting. Two hrs. lecture, 6 hrs. lab per week. Prerequisites: DH 101 with minimum grade of "C" or instructor's permission.

DH 140 (F) 1 hr. cr.

Dental Morphology

Detailed study of morphology of deciduous and permanent teeth in relation to fossal cusps, grooves, ridges, roots and the relationship of form and function. Occlusion and malocclusion are studied according to their relationship to dental health. A self-instructional program supplemented by one hr. lecture per week.

DH 150 (F) 3 hrs. cr.

Oral Histology and Embryology

Study of the gross and microscopic development of the teeth, supportive structures of the teeth and embryology and anatomy of head and neck region. Two hrs. lecture, 3 hrs. lab per week.

DH 160 (S) 2 hrs. cr.

Dental Radiology

Theory and technique of exposing, developing, mounting and care of dental radiographs. Interpretation of radiograph findings is discussed, principles of radiation safety are emphasized. One hr. lecture, 4 hrs. lab per week.

Dental Hygiene, Law Enforcement / 181

DH 190 (Summer)

2 hrs. cr.

Clinical Dental Hygiene I

Introduction to clinical practice of dental hygiene. Experience in providing patient services through performing oral prophylaxis, periodontal assessment, exposing and processing radiographs, presenting patient education, preventive applications, and charting the oral cavity. 16 hours lab per week, 1 hour of lab will be used per week in clinical DH I for content and organizational review of course. Prerequisite: DH 102 with minimum grade of "C" and CPR Certification course C.

DH 200 (F)

3 hrs. cr.

Dental Health Education

Fundamentals of teaching and learning theories. Development of teaching units and lesson plans for various public groups and/or organizations, practical experience in public schools and community groups and experience in providing dental health education to mentally and physically handicapped and geriatric patients. Three hrs. lecture per week.

DH 210 (Summer)

4 hrs. cr.

Perio-Pathology

Lecture periods are devoted to the study of oral pathological conditions, including etiology, degenerative process, inflammation and immunity. Etiology, assessment, treatment and prevention of periodontal disease is stressed. Four hrs. lecture per week.

DH 220 (S)

3 hrs. cr.

Dental Materials

Information about various dental materials. Students learn to make alginate impressions, plaster models and manipulate other materials. Required course for dental hygiene curriculum. Prerequisite: DH 101 Fundamentals of Dental Hygiene I with a "C" or above or instructor's permission. Two hrs. lecture, 2 hrs. lab per week.

5 hrs. cr.

Clinical Dental Hygiene II/Local Anthesia Continuation of DH 190 with added responsibili-

ties as skills develop. Lecture information on advanced dental hygiene techniques and techniques for local anesthesia and pain control. Practical experience in infiltration anesthesia during the laboratory session. Multicultural experience is gained through rotations in extended campus facilities. One hr. lecture, 16 hrs. clinical lab per week. Prerequisites: DH 190 with minimum grade of "C" or instructor's permission.

DH 310 (S) Nutrition

2 hrs. cr.

Nutrition and diet as related to dental health, biochemistry of digestion and the utilization of nutrients. Special emphasis on dietary analysis as part of total health care and the role of the dental hygienist in providing nutritional counseling. Two hrs. lecture per week.

DH 320 (F)

2 hrs. cr. Pharmacology

Principles of drug actions and characteristics of major drug groups including sources of drugs, methods of their administration, classification, dosage, therapeutic action and drug interactions. Emphasis on drugs affecting oral health and drugs used in dentistry. Two hrs. lecture per week.

3 hrs. cr.

Ethics and Community Dentistry

Professional ethics and commitment, professional organizations, state practice acts and practical consideration of methods and problems associated with operating and maintaining a dental practice. Definition and identification of the scope of public and dental public health. Consideration of philosophy; health legislation; federal, state and local health programs; needs and demands for dental care; and mechanisms for financing dental care. Three hrs. lecture per week. Prerequisites: DH 200 with minimum grade of "C."

DH 390 (S)

5 hrs. cr.

Clinical Dental Hygiene III

Continuation of DH 290. Clinical experience in advanced clinical procedures and dental assisting procedures, including experience in extended campus facilities. Principles of four-handed dentistry in the lecture portion and discussion of the eight recognized dental specialties including their relationship to preventive dentistry. One hr. lecture, 16 hrs. lab week. Prerequisite: DH 290 with minimum grade of "C" or instructor's permission.

Law Enforcement

Justice Center 109, 625-9302

Terry - Head, Owen, Richards, Faculty Scott, Spencer, Spurlin, Williams, Wolf

The associate of science degree in law enforcement helps prepare students for entrance into police work, a field which has become highly specialized and complex at the local, state, and national levels. Modern law enforcement responsibilities make academic preparation beyond the high school level essential.

The College also offers the four-year bachelor of science degree in criminal justice administration. See page 176.

Associate of Science in Law Enforcement

Option A Major Code 5505

Semester Hours

	irements (p. 43)		26
	cement Requirements		39
Computer	Literacy Requirement		3
LE 100	Introduction to Criminal		
	Justice Administration	3	
LE 110	Police Organization and		
	Administration	2	
LE 190	First Responder	2	
LE 200	Criminal Investigation	3	
LE 210	Criminal Procedures	3	
LE 245	Law Enforcement		
	Photography	3	
LE 250	Criminal Law	3	
LE 260	Legal and Technical		
	Aspects of Firearms	3	
LE 280	Interview and Report		
	Writing (WI)	3	
LE 290	Police Supervision and		
	Management	3	
Elective	Adviser approved Electives	8	
			65

Option B

(For Basic Law Enforcement Academy)

Major Code 5506

Semester Hours Core Requirements (p. 43) 26 **Law Enforcement Requirements** 39 **Computer Literacy Requirement** 3 LE 100 Introduction to Criminal **Justice** LE 180 Basic Law Enforcement Academy 12 LE 181 Basic Law Enforcement Academy II 12 LE 245 Law Enforcement Photography 3 LE 280 Interview and Report Writing (WI) 3 LE 290 Police Supervision and Management 65

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Suggested Order of Study

Associate of Science Degree Major Code 5505 Law Enforcement Major

Freshman Year

1st Semeste	r	
Course		Hour
CORE	[Eng 101 Comp I]	3
CORE	[Intro to College Math]	3
Comp 105	Intro to Micro Comp Use	3
LE 100	Intro to Criminal Justice	3
LE 110	Police Org & Adm	2
CORE	[Psy 120 College Orient]	1
CORE	[Kine 101 Physical Activity]	1
		16

2nd Seme	ster		
Elective		2	
CORE	[Phys 100 Fund of Phys Sci]	5	
CORE	[Soc 110 Intro to Sociology]	3	
LE 280	Interview & Rprt Wrtng (WI)	3	
LE 210	Criminal Procedures	3	
		16	

Sophomore Year

1st Semester		
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[PSc 120 Gov t: U.S./Sta/Loc]	3
LE 200	Criminal Investigation	3
LE 260	Legal & Tech Asp of Fire Arms	3
Elective	Fine Arts Elective	3
	1	17

2nd Semester

LE 245	Law Enforcement Photo	3
LE 190	First Responder	2
LE 250	Criminal Law	3
LE 290	Police Supvis & Mgmt	3
Electives /	Adviser Approved	5
		16

[Department Recommendations]

For additional information contact: Criminal Justice Department

Mr. Robert Terry

Office: Justice Center 103

Phone: 625-9302

Suggested Order of Study

Associate of Science Degree Major Code 5506

Law Enforcement Major (Law Enforcement Academy)

Freshman Year

1st Semeste	r	
Course		Hours
CORE	[Eng 101 Comp]	3
CORE	[Intro to College Math]	3
Comp 105	Intro to Micro Comp Use	3
LE 100	Intro to Criminal Justice	3
CORE	[Psy 120 College Orientation	on] 1
CORE	[Kine 101 Physical Activity	1
		14

2nd Semester

CORE	[Bio 101 General Biology]	4
CORE	[Soc 110 Intro to Sociology]	3
LE 280	Interview & Report Writing	3
CORE	Humanities and Fine Arts	3
		13

Sophomore Year

1st Semester		
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Psc 120 Govt:U.S./St/Loc]	3
LE 290	Police Supervision & Mgmt	3
LE 245	Law Enforcement Photo	3
		14

2nd Semester

LE 180	Basic Law Enfrcmnt Acad I	12
LE 181	Basic Law Enfrcmnt Acad II	12
		24

[Department Recommendations]

For additional information contact: Criminal Justice Department

Mr. Robert Terry

Office: Justice Center 103 Phone: 625-9302

Course Descriptions

LE 100 (F, S)

3 hrs. cr.

Introduction to Criminal Justice Administration

Municipal, county, state and federal police organizations. History and administration of justice. Responsibilities and opportunities in the field of criminal justice.

LE 110 (F)

2 hrs. cr.

Police Organization and Administration

Management operations, communications, budgeting, recruiting, training and public relations as they pertain to local and state law enforcement agencies.

LE 180 (F, S)

12 hrs. cr.

Basic Law Enforcement Academy

The pre-certification training course for new law enforcement officers in Missouri, approved by P.O.S.T. (Police Officers Standards and Training) Office of the State Department of Public Safety. The broad range of topics includes Missouri Criminal Law, traffic law, criminal investigation, reports, defensive tactics, firearms, legal subjects and human relations. The topics are designed and required by P.O.S.T. under the Section 590.100 et. seq. RSMo. Prerequisites: Permission of Training Director. (Additional lab fee for course.)

E 181 (F, S)

12 hrs. cr.

Basic Law Enforcement Academy II
The pre-certification training course for new law
enforcement officers in Missouri, approved by
P.O.S.T. (Police Officers Standards and Training)
Office of the State Department of Public Safety.
The broad range of topics includes Missouri Criminal Law, traffic law, criminal investigation, reports, defensive tactics, firearms, legal subjects and human relations. The topics are designed and required by P.O.S.T. under the Section
590.100 et. seq. RSMo. Prerequisites: Permission of Training Director and LE 180 (Additional lab fee for course.)

LE 190 (F, S)

2 hrs. cr.

First Responder
Provides basic emergency care knowledge and skills to the student. Designed to prepare students to recognize traumatic injuries, and deliver qual-

ity emergency medical care to victims.

LE 200 (F) 3 hrs. cr.

Criminal Investigation I

Fundamentals of criminal investigation techniques including crime scene procedures, burglary and death investigation. Includes collection, preservation, identification of evidence and overview of crime lab procedures.

LE 210 (F, S) **Criminal Procedures**

3 hrs. cr.

Criminal law procedures from arrest through trial, search and seizure, review of pertinent supreme court decisions and related topics. The order of criminal trial.

LE 225 (S)

3 hrs. cr.

Patrol Procedures

Covers numerous areas confronting today s law enforcement officer during tours of duty and the proper techniques and procedures used in handling each area.

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LE 245 (F, S)

3 hrs. cr.

Law Enforcement Photography

Designed to instruct the law enforcement student in the fundamentals of photography, as it relates to documentation and investigation of crime scene evidence. No credit if CJAd 210 has been completed. Lab fee and additional lab time arranged.

LE 250 (S)

3 hrs. cr.

Criminal Law

Criminal law purposes and functions; rights and duties of officers and citizens in relation to local, state and federal laws. The development, application and enforcement of laws.

LE 260 (F, S)

3 hrs.

Legal and Technical Aspects of Firearms

History and development of firearms. The nomenclature of the most commonly used police firearms and the duties and requirements of a rangemaster. The laws concerning firearms acquisitions, ownership and use. Three hrs. lecture per week. Lab fee and additional lab time arranged.

LE 280 (F, S)

3 hrs. cr.

Interview and Report Writing

(Writing Intensive)

Introduces various methods and styles of report writing and professional communication in the criminal justice field together with the use of the basic report forms and follow-up reports. It also examines techniques of interviewing, of interviewing and writing the report. Perquisites: Eng 101 and Eng 102

LE 290 (S)

3 hrs. cr.

Police Supervision and Management

Principles of personnel management as applied to law enforcement agencies: evaluation, promotion, discipline, training, employee welfare problem-solving leadership.

LE 298 (Demand)

1-8 hrs. cr.

Special Topics in Law Enforcement

Course content varies and is designed to meet current needs and interests in the rapidly changing field of law enforcement. Precise topics to be announced and prerequisites stipulated in course syllabus.

Medical Technology

Reynolds Hall 210, 625-9376

Faculty Baiamonte, Mosher

The bachelor of science degree in medical technology is granted to students who complete the required program of study satisfactorily. These requirements include the basic requirements for all bachelor of science de-

gree programs, required science and other supportive courses plus 32 hours of professional course credits. The completion of this degree is required before an individual is eligible to take the certifying examination.

Missouri Southern has affiliation agreements with the Schools of Medical Technology at St. John's Regional Medical Center, Joplin, and Lester E. Cox Medical Center, Springfield, Mo. If a student wishes to attend an accredited school of medical technology with which the College has no formal agreement, the Vice President for Academic Affairs can negotiate an agreement for the individual student. Students should be aware that enrollment in professional schools is limited. Each of the professional schools has its own admission criteria and selects those students to be admitted to a class from the applicants for that class. In general, this selection is based on the academic record or demonstrated aptitude for the medical field. Students are responsible for filing their own application for admission with the professional schools. Application should be made to the professional school during the early fall of the junior year or approximately 10 months prior to the expected entrance date.

Students who are unsuccessful in gaining admission to a professional school can normally select and complete another science major with the advice of the appropriate department head.

A student may enroll in the professional courses either at the hospital-based school or through Missouri Southern, depending on the policies of the hospital-based school. Students enrolled at the hospital-based school are not considered members of the Missouri Southern student body, since the hospitalbased school in such cases is considered as any other accredited institution of higher education. A student enrolling through Missouri Southern is considered a member of the College student body and is, therefore, eligible for benefits offered all students. The weekly time requirements for the professional medical technology courses (400 level) listed are based on the minimum requirements for a course meeting for a normal academic term for a minimum of 16 weeks. Actual scheduling of classes may vary according to custom of the individual professional school to meet these minimum total hour requirements.

Bachelor of Science With a Major in Medical Technology

Semester Hours

Core Requ	irements (p. 43) 51**	39
Biology Re	quirements	26
Bio 121	General Zoology	4
Bio 231	General & Medical	
	Microbiology*	5
Bio 305	Genetics*	4
Bio 306	Human Physiology and	
	Anatomy*	5
Bio 456	Immunology*	4
Either		
Bio 361	Parasitology*	4
OR		
Bio 362	Virology*	4
Chemistry	Requirement	24-25
Chem 101	General Chemistry I*	5
Chem 102	General Chemistry II*	5
Chem 201	Analytical Chemistry I*	5
Chem 300	Introduction to Modern	
	Organic Chemistry*	5
Chem 351	Biochemistry*** (4)	
OR		
Chem 421	Analytical	
	Chemistry II* (5)	4-5
Other Requ	irements	17
Phys 151	Elementary College	
	Physics I*	5
Phys 152	Elementary College	
	Physics II*	4
Math 140	Algebra & Trigonometry	5
Comp 110	Programming I (Pascal) (3	3)
OR		
	el computer course	3
400 Level N	Medical Technology Cours	ses (at
Hospital)		32
	13	8-139

*See course descriptions for prerequisites. **Required biology, physics and mathematics courses simultaneously satisfy Core Curriculum and major requirements.

Suggested Order of Study

Bachelor of Science Degree Major Code 1223 **Medical Technology Major**

Freshman Year

i i communi	cui	
1st Semeste	er	
Course		Hours
Chem 101	Gen Chem I (Algebra & Trig)	5
Math 140	Algebra and Trig	5
CORE	[Eng 101 Comp I]	3
Comp 110	Programming I	3
CORE	[Psy 120 College Orient]	1
		17

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2nd Semest		_
	Gen Chem II (Chem 101)	5
Bio 121	General Zoology	3
CORE	[History 110 U.S. History]	3
CORE	[Eng 102 Comp II]	3
CORE	[Econ 180 Amer Econ Sys]	18
		10
Sophomore		
1st Semeste	er	
Chem 201	Analy Chem I (Chem 102)	5
Bio 231	Gen & Med Microbiology	5
CORE	[Psy 100 or Soc 110]	3
CORE	[Humanities & Fine Arts]	3
CORE	[Kine 101 Physical Activity]	1
Elective	[MT 200 Intro to Med Tech]	1
		18
2nd Semes	ter	
Chem 300	Mod Org Chem (Chem 102)	5
Bio 305	Genetics	4
CORE	[Comm 100 Oral Comm]	3
CORE	[Humanities & Fine Arts]	3
CORE	[Hist 120 or 320 U.S. History] 3
		18
Junior Year 1st Semeste		
Phys 151	Elem Col Phys I (Math 140)	5
Bio 306	Hum Phys & Anat (Bio 121)	5
Bio 361	Parasitology (Bio 121)	3
OR	Tarastology (Bio 121)	
Bio 362	Virology (Bio 231)	4
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Humanities & Fine Arts]	3
		19
and Company	tor	
2nd Semes	Analy Chem II (Chem 201)	
OR	Analy Chem ii (Chem 201)	
Chem 351	Biochemistry (Chem 300)	4-5
Phys 152	Elem Col Phys II (Phys 151)	4
Bio 456	Immunology	4
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	
CORE	[International Cultural Studies	
CORL	•	3-19
Senior Yea		
1st Semest		
. , , ,	roved School of Medical	
Technolog		10
MT 401	Clinical Chemistry	10
MT 403	Hematology	6 16
		10
2nd Semes		
(At an app	roved School of Medical	
Technolog		
MT 402	Clinical Microscopy	1
MT 404	Serology	3
MT 405	Clinical Microbiology	7
MT 406	Immunohematology	3
MT 407	Special Topics in Med Tech	2
		16
(Drava : '	toc	
(Prerequisi	nt Pocommondational	

[Department Recommendations]

For additional information contact:

Dr. Vernon Baiamonte Office: Reynolds Hall 213

Phone: 625-9541

OR

Dr. Melvyn Mosher

Office: Reynolds Hall 242

Phone: 625-9733

MT 407 (S) 2 hrs. cr. **Special Topics in Medical Technology**

Lecture and/or clinical practice in the areas of inservice education, management and supervision, research and development, and principles and techniques of the instructional process. Lecture and labs to be arranged.

Course Descriptions

MT 401 (F) 10 hrs. cr. Clinical Chemistry

Analytical and theoretical aspects of the clinical biochemistry of body fluid constituents utilizing both manual and instrumental techniques, including automation and special procedures. Five hrs. lecture, 20 hrs. clinic/lab per week.

MT 402 (S) 1 hr. cr. Clinical Microscopy

Principles and techniques of the physical, chemical and microscopic examination of urine and other excrete as related to disease processes. One hr. lecture, clinic by arrangement.

MT 403 (F) 6 hrs. cr. **Hematology**

The cellular elements of blood and bone marrow; theory of cell production, release and survival; morphological characteristics of normal and abnormal cells; quantitative and qualitative abnormalities. Principles and techniques involved in the study of hemostasis, blood coagulation and hemorrhagic disorders. Three hrs. lecture, 12 hrs. clinic/lab per week.

MT 404 (S) 3 hrs. cr. **Serology-Immunology**

The science of immunity including antibody development, principles of antigen-antibody interactions and techniques of serological testing for various disease states. Three hrs. lecture, 12 hrs. clinic/lab per week.

MT 405 (S) 7 hrs. cr.

Clinical Microbiology

Sterile technique, methods of handling and inoculating specimens containing pathogenic microorganisms, isolation and identification of pathogenic micro-organisms, laboratory tests in chemotherapy, and diagnostic bacteriology, mycology and parasitology. Four hrs. lecture, 12 hrs. clinic/lab per week.

MT 406 (S) 3 hrs. cr. **Blood Bank-Immunohematology**

Blood group systems and the immune response. Methods of crossmatching, antibody screening and phenotyping. Administrative safeguards and legal aspects of blood banking. Proper clinical utilization of blood components. One hr. lecture, 8 hrs. clinic/lab per week.

Nursing

Kuhn Hall 210, 625-9322

Faculty Box - Head, Ayton, Eller, Jacobs, Shippee, Singleton

The bachelor of science degree nursing program provides intensive preparation for the first-time entering student and licensed practical nurse seeking licensure as a registered nurse and the registered nurse pursuing baccalaureate education in the nursing discipline.

The program is based on systems emphasizing person, nursing, health and environment. Core Curriculum and required support courses augment the nursing courses in preparing a professional nurse for the 21st century who is able to function at the client's side in a diverse health care delivery system.

Upon successful completion of the program, the graduate is eligible to apply to take the examination for licensure as a Registered Nurse (RN) barring restrictions stated in the Nursing Practice Act 335.066,1,2 (1)-(14) of the state of Missouri. "The applicant shall be at least nineteen years of age . . ." according to the Nursing Practice Act 335.046 of the Missouri Statutes. Contact nursing department or State Board of Nursing for further information.

The program is accredited by the National League for Nursing Accrediting Commission and the Missouri State Board of Nursing.

Graduate Outcomes Upon completion of the program the graduate will:

- Apply the Neuman systems model in the promotion of the person's optimal systems stability.
- Promote health by empowering the person through health education.

- Provide contemporary health care through application of the nursing process.
- Practice within the professional standards of care.
- Use current technologies in providing culturally sensitive care through primary, secondary, and tertiary prevention.
- Manage health care delivery through coordination, collaboration and delegation.
- Integrate communication strategies in interacting with the person and information systems.
- Apply nursing and health related research to nursing practice.

Admission Criteria

- 1. Continuous enrollment, readmission or admission to College as a transfer student.
- 2. Cumulative grade point average of 2.5 minimum based upon completion of freshman and sophomore courses listed in the suggested order of study.
- Completion of the following four natural and physical science courses with a grade of "C" or higher:

Bio 121 General Zoology Bio 306 Human Physiology and Anatomy Bio 231 General and Medical Microbiology Chem 100 Introductory Chemistry

- Minimum of 20th percentile score on the Nelson Denny Reading Examination.
- 5. Credit hours from the suggested order of study must be completed prior to entering the nursing major course.

Admission to the program is competitive.

Students who meet all admission criteria and have completed the suggested order of study for the bachelor of science degree in nursing at Missouri Southern State College will be given preference in admission.

Applicants holding a baccalaureate degree are considered by the College as having completed the Core Curriculum requirements.

Degreed nursing applicants must meet all stated admission requirements.

The cumulative grade point average will apply for degreed nursing applicants.

Required support courses for admission into the nursing major are as follows:

the nursing	major are as follows.		
Bio 121	General Zoology	4	
Bio 306	Human Physiology		
	and Anatomy	5	
Bio 231	General and Medical		
	Microbiology	5	
Bio 308	Pathophysiology	4	
Kine 385	Nutrition for Human		
	Development	3	
Total			21

Applications, readmission and transfer criteria are available in the Department of Nursing in Kuhn Hall. Application deadline is **January 15**.

The applicant is responsible for requesting and verifying that the transcript evaluation and MSSC transcript are part of their applicant profile prior to **February 1**.

Admission of Registered Nurses (RN)

Registered nurses are admitted to the College as graduates of Southern's ADN Program or as transfer students. In addition to the Program admission requirements, registered nurses must also meet the following requirements:

- Graduation from a state-approved and National League for Nursing (NLN) accredited Associate Degree or Diploma nursing program.
- 2. Current registered nurse licensure or eligibility in the state of Missouri.
- 3. The registered nurse has the option to challenge 25 credit hours of junior level nursing major requirements by successfully passing the NLN Mobility Profile II examination and Departmental Validation Examination. A minimum decision score of 80 on the NLN Mobility Profile II Examination Books 1, 2, and 3 and 75 percent on the Departmental Validation Examination is required.

Nurs 400 Complex Nursing, a senior level course, may be challenged by passing the NLN Nursing Care of Adults Part III with a 50 percentile thus granting 6 credit hours for a total of 31 credit hours.

Admission of Licensed Practical Nurses (LPN)

Licensed Practical Nurses (LPN) are admitted to the College as first-time (generic) or transfer students. LPN applicants must meet all college and program requirements for admission. The LPN has the option to challenge 5 credit hours for Nurs 310 Health Assessment and Technologies through departmental examination.

Special Fees

In addition to all established fees for college students, a special laboratory fee of \$100.00 is assessed for each of the following courses: Nurs 310 Health Assessment and Technologies

Nurs 430 Advanced Health Assessment

Other costs incurred during the program include, but are not limited to: required equipped nurse bag (\$225), uniforms, pins, standardized examination fees, graduation fees, licensing examination fees, hepatitis series, etc. A detailed list of items and costs is available in the Nursing Department.

Bachelor of Science Degree in Nursing

Degree in Nursing					
	Semester	Hours			
Core Requi	rements (p. 43)	51			
Nursing Ma	jor Requirements	83			
(See course	descriptions for prerequis	sites)			
Nurs 300	Concepts of Professional				
	Nursing (WI)	3			
Nurs 310	Health Assessment and				
	Technologies	5			
Nurs 320	Adult Nursing	7			
Nurs 350	Family Nursing	9			
Nurs 360	Mental Health Nursing	4			
Nurs 370	Gerontic Nursing	3			
Nurs 400	Complex Nursing	6			
Nurs 420	Nursing Ethics 3				
Nurs 430	Advanced Health				
	Assessment	3			
Nurs 450	Community Health				
	Nursing	5			
Nurs 460	Nursing Research (WI)	3			
Nurs 470	Nursing Management				
	and Leadership	5			
Nurs 480	Issues in Nursing	2			
Bio 121	General Zoology	4			
Bio 306	Human Physiology				
	and Anatomy*	5			
Bio 231	General and Medical				
	Microbiology	5			
Bio 308	Pathophysiology	4			
Chem 100	Introductory to				

Chemistry*

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Kine 101

Hist 120

Physical Activity

U.S. Hist 1877 - Pres

1

3

17

	0							
Comp 105	Introduction to		Junior Year			1st Year - Si	oring Semester	
comp ros	Microcomputers	3	Fall Semeste	er		Bio 306	Human Physiology	
Kine 385	Nutrition for Human	3	Nurs 300	Concepts of Professional			and Anatomy*	5
KIIIE 303		2		Nursing (WI)	3	Eng 102	English Composition II (WI	1) 3
D 000	Development	3	Nurs 310	Health Assessment and		Comp 105	Intro to Microcomputer Us	
Psy 320	Statistics	3		Technologies+^	5	Math 130	College Algebra	3
			Nurs 320	Adult Nursing+	7			14
* Satisfies	the Core requirement for	Area 3		, , , , , , , , , , , , , , , , , , , ,	15			
	ence and Behavioral Scie					2nd Year - I	all Semester	
Turana o o			Junior Year			Chem 100	Introduction to Chemistry*	5
			Spring Seme			Econ 180	American Economic System	
			Nurs 350	Family Nursing+	9	Psy 100	General Psychology	3
			Nurs 360	Mental Health Nursing+	4	CORE	Area 2.a (Fine Art)	3
			Nurs 370	Gerontic Nursing	3	CORE	Area 2.a (Fine Are)	14
Sugg	ested Order of Stu	dy	14013 37 0	Geronic rydraing	16			14
00		/			10	and Voor	Chring Competer	
			Canian Van				Spring Semester	
Pachalas a	f Science Numering Four	Voor	Senior Year			Bio 231	General and Medical	_
	f Science Nursing - Four	rear	Fall Semeste			CORF	Microbiology*	5
Freshman Yo			Nurs 400	Complex Nursing*#	6	CORE	Area 2.b (Literature)	3
Fall Semeste		Lla	Nurs 420	Nursing Ethics	3	Hist 110	U.S. History 1492-1877	3
Course	6 17 1	Hours	Nurs 430	Adv Health Assessment	3	Kine 101	Physical Activities	1
Bio 121	General Zoology	4	Psy 320	Statistics*	3			12
Eng 101	English Comp I (WI)	3			15			
Math 130	College Algebra	3					all Semester	
Comm 100	Oral Communication	3	Senior Year			Kine 385	Nutrition for Human Dev	3
Kine 103	Lifetime Wellness	2	Spring Sem			Hist 120	U.S. History 1877 to Prese	nt 3
Comp 105	Intro to Microcomputers@		Nurs 450	Community Health Nursin		CORE	Area 2.c	
Psy 120	College Orientation	1	Nurs 460	Nursing Research (WI)	3		(Fine Art or Literature)	3
		19	Nurs 470	Nursing Mgmt & Leadersh	nip 5	CORE	Area 5 (International	
			Nurs 480	Issues in Nursing	2		Culture Studies)	3
Freshman Yo					15			12
Spring Seme								
Bio 306	Human Physiology and			descriptions for prerequisite		3rd Year - S	pring Semester	
	Anatomy*	5	+Credits by	examination, NLN Mobility	Profile II	Bio 308	Pathophysiology*	4
Eng 102	English Comp II (WI)	3	for Register	ed Nurses.		Psy 320	Statistics*	3
Chem 100	Intro to Chemistry*	5	@Departme	ent waiver as outlined in Stude	ent Hand-	PSc 120	Gov't: U.S., State, Local	3
Econ 180	Amer Econ System	3	book.			Optional Ele	ective	3
Psy 100	General Psychology	3	^Credit by c	lepartmental examination for	Licensed			13
		19	Practical N					
			#Credit by	departmental examination for	or Regis-	4rd Year - F	all Semester	
Sophomore	Year		tered Nurse			Nurs 300	Concepts of Prof Nurse (W	/I) 3
Fall Semeste	r					Nurs 310	Health Assessment/Tech+/	
Bio 231	General and Medical					Nurs 320	Adult Nursing+	7
	Microbiology*	5	Minors					15
CORE	Area 2.a (Fine Art)	3						
CORE	Area 2.b (Literature)	3		supportive disciplines ar		4rd Year - S	Spring Semester	
Kine 385	Nutrition for Human		able to nu	rsing students. See requi	rements	Nurs 350	Family Nursing+	9
	Development	3		lowing suggested (but no		Nurs 360	Mental Health Nursing+	4
Hist 110	U.S. History 1492-1877	3	sive) mino	0 00		Nurs 370	Gerontic Nursing	3
	2.3.1113(01) 1432-1077	17	,	s - pg. 171		14013 370	Geronic rearsing	16
		. /		. 0				10
Sophomore	Voor		Business -	pg. 123		Eth Voor E	all Compoter	
Spring Seme						Nurs 400	Complex Nursing*#	6
Bio 308	Pathophysiology*	4					Complex Nursing*#	6
CORE	Area 2.c (Fine Art or	7				Nurs 420	Nursing Ethics	3
CORL	Literature)	3	Suga	gested Order of Stu	Idv	Nurs 430	Advanced Health Assessme	
CORE		3	Juge	, corea oraci or sta	,			12
LOKE	Area 5 (International	2				Fal. V		
DCc 120	Culture Studies	3	Da al1-	of Caianas Fi V			pring Semester	_
PSc 120 Kine 101	Gov't: U.S., St, Local	3	Bachelor	of Science - Five Year		Nurs 450	Community Health Nursing	g 5

1st Year - Fall Semester

General Zoology

Lifetime Wellness

College Orientation

Comm 100 Oral Communication

English Composition I (WI)

Hours

4

3

3

2

13

Course

Bio 121

Eng 101

Kine 103

Psy 120

Community Health Nursing 5 Nurs 450 Nurs 460 Nursing Research (WI) Nurs 470 Nursing Mgmt & Leadership 5 Nurs 480 Issues in Nursing 15 *See course descriptions for prerequisites +Course challenge examination for Registered Nurses - NLN Mobility Profile II ^Course challenge for Licensed Practical Nurses #Course challenge examination for Registered Nurses - Departmental

Nursing, Paramedic / 187

Americans with Disabilities Act implications

Students will be required to have completed a physical examination/health verification after admission to the nursing program. Students will be required to demonstrate physical and/or emotional fitness to meet the essential requirements of each course in the program. Such essential requirements include freedom from communicable diseases, the ability to perform certain physical tasks and suitable emotional fitness. Any appraisal measures used to determine such physical and/or emotional fitness will be in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Core performance standards for admission and progression which comply with the Americans with Disabilities Act of 1990 are available in the office of the Department of Nursing.

Course Descriptions

Nurs 300 (F) 3 hrs cr. Concepts of Professional Nursing (WI)

Focuses on the knowledge and technologies needed to assume the roles of the professional nurse as provider of care, teacher, communicator and contributor to the discipline of nursing. The course is structured to provide an opportunity for the socialization of the learner to professional nursing practice. Three hrs. lecture per week. Prerequisite: Admission to the nursing program and concurrent with Nurs 310 and Nurs 320.

Nurs 310 (F) 5 hrs cr. Health Assessment and Technologies

Incorporates a systematic approach to basic health assessment and application of basic nursing interventions for the person with limited variances in health. Three hrs. lecture and 6 hrs. lab per week. Prerequisite: Admission to the nursing program and concurrent with Nurs 300 and Nurs 320.

Nurs 320 (F) 7 hrs cr. Adult Nursing

Focuses on variances in health of adults with common health problems. Emphasis is on application of the nursing process in secondary prevention. Four hrs. lecture and 9 hrs. clinical per week. Prerequisite: Admission to the nursing program and concurrent with Nurs 300 and Nurs 310.

Nurs 350 (S) Family Nursing

9 hrs cr.

Focuses on health promotion of the developing family and nursing care of the maternity and pediatric client with variances of health. Five hrs. lecture and 12 hrs. clinical per week. Prerequisites: Nurs 300, Nurs 310, and Nurs 320 with a minimum grade of "C" and concurrent with Nurs 360 and Nurs 370.

Nurs 360 (S) 4 hrs cr. **Mental Health Nursing**

Focuses on assessment, promotion of mental health and care of the person with variances in mental health. Use of therapeutic communication and the nurse-client relationship are emphasized. Two hrs. lecture and 6 hrs. of clinical per week. Prerequisites: Nurs 300, Nurs 310, and Nurs 320 with a minimum grade of "C" and concurrent with Nurs 350 and Nurs 370.

Nurs 370 (S) 3 hrs cr. **Gerontic Nursing**

Focuses on the normal aging process and common health variances of the older person. Three hrs. lecture per week. Prerequisites: Nurs 300, Nurs 310, and Nurs 320 with a minimum grade of "C" and concurrent with Nurs 350 and Nurs 360 or RN status with permission of instructor.

Nurs 400 (F) 6 hrs cr.

Focuses on the nursing care of persons with complex variances in health in acute care and rehabilitation settings. Two hrs. lecture and 12 hrs of clinical per week. Prerequisites: Nurs 350, Nurs 360 and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 420 and Nurs 430.

Nurs 420 (F) 3 hrs cr. **Nursing Ethics**

Focuses on the process of ethical decision making. Ethical issues confronting the professional nurse are explored. Three hrs. lecture per week. Prerequisites: Nurs 350, Nurs 360 and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 400 and Nurs 430.

Nurs 430 (F) 3 hrs cr.

Advanced Health Assessment

The emphasis of advanced health assessment will be refining abilities to utilize techniquest to assess, identify and describe variances from normal. Two hrs. lecture and 3 hrs. of lab per week. Prerequisites: Nurs 350, Nurs 360 and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 400 and Nurs 420.

Nurs 450 (S) 5 hrs cr. **Community Health Nursing**

Concepts and methods for assessment of community strengths and health needs will be analyzed to improve the overall health status of the person and aggregates. Three hrs. of lecture and 6 hrs. of clinical. Prerequisites: Nurs 400, Nurs 420 and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 460, Nurs 470 and Nurs 480.

Nurs 460 (S)

3 hrs cr.

Nursing Research (WI)

Emphasizes evaluation of nursing research, utilization of research findings in the clinical setting and assisting in the conduct of research. Three hrs. of lecture per week. Prerequisites: Psy 320, Nurs 400, Nurs 420 and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 450, Nurs 470 and Nurs 480.

Nurs 470 (S) 5 hrs cr.

Nursing Management and Leadership

Emphasis is on nursing management and organization, nursing leadership skills and resource allocation. Three hrs. lecture and 6 hrs. clinical per week. Prerequisites: Nurs 400, Nurs 420 and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 450, Nurs 460 and Nurs 480.

Nurs 480 (S) 2 hrs cr.

Issues in Nursing

Investigates current trends and issues in nursing on the local, national and international scene. Two hrs. lecture per week. Prerequisites: Nurs 400, Nurs 420, and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 450, Nurs 460 and Nurs 470.

Nurs 498 (Demand) 1-3 hrs cr. **Seminar in Nursing**

Special topic or topics not normally included in another course. Prerequisites: Upper division standing, additional requirements will be stipulated in the syllabus of the course.

Nurs 499 (Demand) 1-3 hrs cr.

Independent Study

Independent study course structured by adviser with approval of department head. Prerequisite: Advanced standing in major field. Registration in the course must be approved by adviser, department head and school dean. Minimum of 3.0 GPA required.

Paramedic

Justice Center 114, 625-3020

Major Code 7008 Faculty Krtek

The School of Technology offers certificate programs preparing students to take state certifying examinations as Emergency Medical Technicians or as Paramedics. This is closely integrated with area Emergency Medical Services and hospitals. Students seeking information about these programs should check with the Director of EMS programs for details about scheduling of the courses. The curriculum and its length varies with current Missouri state requirements.

188 / Nursing, Pre-Engineering

Associate of Arts

Core Requirements			42
Bio 306	Human Physiology and		
	Anatomy*	5	
EMT Cour	se	6	
EMT-P Co	urse	18	
		-	71
*Satisfies	Core requirements		

Course Descriptions

Para 298 (Demand)	18 hrs. cr.
EMT-P (Paramedic)	

Classroom instruction supplemented by clinical observation and experience. The program meets over a two semester period. The classroom phase consists of three 3-hr. sessions per week. The clinical training is arranged through area hospitals and ALS ambulance services. Applicants must be at least 18 years of age, hold a high school diploma or equivalent and possess a current Missouri State EMT ambulance license. A minimum of one year experience is preferred. Out-ofstate students should contact the E.M.S. Training office no later than May to begin reciprocity application. Applications and pretest information should be obtained from the office before th end of the Spring semester. Special book and equipment fees are assessed for this course.

For additional information contact: Michael Krtek

Office: Justice Center 114

Phone: 625-3020

Visit our web site at: http//www.mssc.edu/

schtech/ems/home.htm

Pre-Engineering

Reynolds Hall 208/212, 625-9719/625-9540

Faculty Chelf, Knapp, Phillips, Sloan

The physical science department at Missouri Southern, in cooperation with the engineering staff at the University of Missouri-Rolla and the University of Missouri-Columbia have prepared booklets describing the Cooperative Engineering Program between these schools and MSSC. These booklets list the course sequence for a student taking the first two or two and one-half years of an

engineering science curriculum at Southern and planning to transfer to UMR or UMC. The plan also includes the courses the student will take at UMR or UMC to complete a B.S. degree in various engineering disciplines.

Although most of the engineering programs are standard for the first two years, there are a few differences and thus the student should meet with a pre-engineering adviser during the first semester. If a student wishes to transfer to a school other than UMR or UMC, it is suggested that the catalog of that school be reviewed for any differences in its program and the UMR or UMC outline. College catalogs are available in the Reserve area of Spiva Library. Any adviser who desires a copy of the booklet should contact the physical science department.

Semester Hours

Core Requi	rements** (p. 43)		25
Pre-enginee	ering Requirements		48
Phys 160	General Physics I*	3	
Phys 270	General Physics II*	5	
Phys 280	General Physics III*	5	
Phys 312	Statics*	3	
Chem 101	General Chemistry I*	5	
Math 150	Calculus with Analytical		
	Geometry I*	5	
Math 250	Calculus with Analytical		
	Geometry II*	5	
Math 260	Calculus with Analytical		
	Geometry III*	5	
Comp 110	Programming I	3	
Econ 201	Principles of		
	Economics (Macro)	3	
Elective	(Math or Physics)***	3	
Elective	(Humanities/Social Science	ce/	1
	Drafting/Chemistry)***	3	

*See course descriptions for prerequisites. **Required math and physics courses simul-

taneously satisfy Core Curriculum and major requirements.

***The student should meet with a preengineering adviser for the proper selection depending on the field of engineering.

Suggested Order of Study

Associate of Science Degree Major Code 5499

Pre-engineering Major

Freshman Year

1st Sem	ester		
Course		The state of the state of	Hours
CORE	[Eng 10	01 Comp I]	3
Math 1	0 Calculu	us I	5
Phys 16	0 Genera	al Physics I	3
Chem 1		al Chemistry I	5
CORE	[Psy 12	20 College Orient]	1
CORE	[Kine 1	01 Physical Activity] 1
			18

Ziid Seilleste		
Math 250	Calculus II	5
Phys 270	General Physics II	5
Econ 201	Prin of Economics	3
CORE	[Fine Arts/Draft/Chem II]*	3-5
	10	6-18

Sophomore Year

1st Semester		
Math 260	Calculus III	5
Phys 280	General Physics III	5
Comp 110	Programming I	3
CORE	[Sociology or Psychology]*	3
CORE	[Kine 103 Lifetime Wellness	s] 2
		18
2nd Semester	r	
Math 322	Differential Eq.	3
Phys 372	Electronic Circuits	4
Phys 341	Thermal Physics (4)	
OR		
Phys 322	Classical Mechanic (3)	3-4
CORE	[Comm 100 Oral Comm]*	
AND/OR		
CORE	[Humanities/Fine Arts]	3-6
	16	-17

Summer Session

Phys 312	Statics	3
CORE	[Hist 110/120 U.S. His	t] 3
		6

^{*}Suggested elective (not strict requirements)

For additional information contact:

Dr. Russell Phillips

Office: Reynolds Hall 208

Phone: 625-9719

Preprofessional, Radiologic Technology / 189

Preprofessional

EMS-Annex, 625-9328

Associate of Arts Degree

This curriculum is designated for Missouri Southern students to complete admission requirements for professional schools that will accept applicants who have completed approximately 60 hours.

Also, students who are completing certification requirements for paramedic programs and desire a college degree may choose this degree program.

Radiologic Technology

Kuhn Hall 304, 625-3118

Faculty Beals

The associate of science degree in radiologic technology combines Core Curriculum courses, supportive courses in the behavioral sciences and natural sciences and special courses in the field of radiology including extensive clinical laboratory experiences. The clinical laboratory experiences are provided through agreements between Missouri Southern and St. John's Regional Medical Center or other accredited facilities. The student successfully completing the curriculum is eligible to write the National Registry Examinations to become a Registered Technologist.

Completion of the degree requires the completion of Core Curriculum requirements for the associate of science degree, all radiologic technology courses, Bio 306, Bio 240, Chem 100 or Phys 100 and Psy 221. Applicants whose backgrounds have not prepared them for Bio 306 must meet these prerequisites before being admitted to the

Special admissions procedures are required for admittance into this program in addition to admission to Missouri Southern State College. A special Radiologic Technology application must be turned in to the Director of the Radiology Program before March 1st of the year the student would enter the program. Students may begin the program only at the beginning of the fall semester.

In addition to established fees for all college students, special fees of \$100 for the first semester and \$40 for each succeeding term, including summers, are required for enrollment in radiology courses.

Students who are already Registered Radiologic Technologists may also enter this pro-

Radiological course credit will be granted to the Registered Radiologic Technologist, equal to that granted to the graduating associate of science student, at the time the Registered Radiologic Technologist starts the program. A minimum of 30 additional academic semester hours is required. This credit must include the general education requirements for the associate of science degree plus a concentration of courses in one of the subject matter areas of business (accounting and secretarial procedures or business management), behavioral sciences or natural science (concentration in either biology, chemistry or physics).

Associate of Science in Radiologic Technology

Semester Hours

Core Requirements (p. 43)		
Radiology I	Requirements	5
Rad 101	Introduction to Radiology	*3
Rad 111	Medical Terminology	3
Rad 121	Patient Care and Special	
	Procedures in Radiology	3
Rad 132	Prin of Radiographic	
	Exposure	3
Rad 142	Radiographic Pos I	3
Rad 160	Film Critique	2
Rad 170	Radiologic Physics	3
Rad 180	Practicum in Radiology	4
Rad 241	Radiographic Pos II	3
Rad 252	Radiographic Pos III	3
Rad 282	Practicum in Radiology II	2
Rad 290	Practicum in Radiology II	14
Rad 299	Advanced Radiology	3
Bio 306	Human Physiology and	
	Anatomy*	5
Chem 100	Elementary Chemistry**	
OR		
Phys 100	Fundamentals of Physical	
	Science	5

Psy 221	Psychology of Personal	
	Adjustment	3
Bio 240	Radiation Biology*	3
		70

*See course descriptions for prerequisites. **Satisfies Core Curriculum Requirement.

Suggested Order of Study

Associate of Science Degree Major Code 5207 Radiologic Technology Major

Freshman Year

Fall Semester		
Course	Н	lours
Bio 306	Human Physi & Anatomy**	5 .
Rad 101	Intro to Radiology	3
Rad 170	Radiologic Physics	3
Rad 142	Radiographic Pos I	3
CORE	[Psy 120 College Orient]	1
CORE	[Kine 101 Physical Activity]	1
		11

Spring Seme	ester	
Math 130	College Algebra	
OR		
Math 30	Intermediate Algebra	3
Psy 100	General Psychology	3
Bio 240	Radiation Biology	3
Rad 132	Prin of Radiographic Exp	3
Rad 241	Radiographic Posi II	3
CORE	[Kine 103 Lifetime Wellness] 2
		17

Summer Se	emester*	
Rad 160	Film Critique	2
Rad 180	Practicum in Radiology I	4
	Market and the second second	6

Sophomore \	ear	
Fall Semester		
Chem 100	Intro Chemistry	
OR		
Phys 100	Fund of Phys Sci	5
CORE	[Eng 101 Comp I]	3
Psy 221	Psy of Personal Adjustment	3
Rad 111	Medical Terminology	3
Rad 252	Radiographic Pos III	3
		17
Spring Semes	ter	
CORE	[Hist 110 or PSc 120]	3
CORE	[Comm 100 Oral Comm]	3
Rad 121	Pat Care & Spec Pro	3

Rad 121	Pat Care & Spec Pro	3
Rad 282	Practicum in Radiology II	2
CORE	[Literature or Fine Arts]	3
		.14
Summer Se	emester	

Rad 290	Practicum in Radiology III	4
Rad 299	Advanced Radiology	3
		7

[Department Recommendations]

190 / Radiologic Technology, Respiratory Therapy

*Summer classes meet a minimum of 12 weeks. **Placement in Bio 306 will depend on preentrance zoology test scores or completion of Bio 121.

For additional information contact:

Mr. Wiley Beals

Office: Kuhn Hall 304 Phone: 625-3118

OR

Dr. Jack G. Spurlin Office: EMS-Annex Phone: 625-9328

Course Descriptions

Rad 101 3 hrs. cr.

Introduction to Radiology

Basic procedures and equipment in the radiology department. Includes organization, function and supervision of a radiology department with a history of X-ray, ethical principles and legal aspect of technology and elementary radiation protection. Two hrs. lecture, 2 hrs. lab per week. Prerequisite or corequisite Bio 306.

Rad 111 3 hrs. cr.

Medical Terminology

The language of medicine, especially as related to radiology, through a comprehensive study of the more common medical roots, prefixes and suffixes. Relates medical roots to everyday English words. A survey of medical and surgical diseases is included. Three hrs. lecture per week.

ad 121 3 hrs. cr.

Patient Care and Special Procedures in Radiology

Routine and special care of the patient. Includes sterile techniques, preparation of contrast media. Special attention to visualization of digestive, urinary and reproductive organs. Three hrs. lecture per week.

Rad 132 3 hrs. cr.

Principles of Radiographic Exposure

Fundamental principles of technique and technique conversion with particular emphasis on the factors that directly and indirectly affect radiographic exposure. Emphasis on radiation protection and darkroom chemistry and techniques. Three hrs. lecture per week.

Rad 142 3 hrs. cr.

Radiographic Positioning I

Basic radiographic positioning including both standard and specialized position of the extremities and spine. Film critique and radiation protection are included. Two hrs. lecture, 3 hrs. lab and 12 hrs. clinic per week.

Rad 160 2 hrs. cr.

Film Critique

Develops student's ability to evaluate X-ray films as to technical quality and diagnostic interpretation. Includes an introduction to quality assurance. One hr. lecture, 2 hrs. lab per week.

Rad 170 3 hrs. cr.

Radiologic Physics

The physics of radiology. The physical principles of X-ray production. Including theory in electricity, rectification, circuitry and basic equipment maintenance. Three hrs. lecture per week.

Rad 180 4 hrs. cr.

Practicum in Radiology I

Intensified clinical training in the areas of urology, surgery, special procedure, fluoroscopy and general radiography. Course meets for 12 weeks summer session. Thirty-five hrs. clinic per week.

Rad 241 3 hrs. cr.

Radiographic Positioning II

In-depth study of routine and special views of the skull and facial bones. Film critique, radiation protection and skull anatomy review included. Two hrs. lecture, 3 hrs. lab, 20 hrs. clinic per week.

Rad 252 3 hrs. cr.

Radiographic Positioning III

Procedures and techniques for examination of various organs, including vascular studies and all special procedures. Course includes film critique, radiation protection and review of vascular anatomy. Three hrs. lecture, 20 hrs. clinic per week.

Rad 282 2 hrs. cr.

Practicum in Radiology II

Advanced clinical training. Includes an introduction to the responsibility of patient flow control. Twenty hrs. clinic per week.

Rad 290 4 hrs. cr.

Practicum in Radiology III

Professional clinical training in which the student controls patient flow. Special attention is given to final training in special procedures and surgery. Includes radiation therapy. Course meets 12 weeks during the summer session. Thirty-five hrs. clinic per week.

Rad 299 3 hrs. cr.

Advanced Radiology

Comprehensive review of the field of radiology including innovations, trends and anticipated advancements in the field. Three hrs. lecture per week

Respiratory Therapy

Allied Health, 659-4400

Faculty Erwin, Pippin

Respiratory Therapy Technician to Associate Degree Therapist

A career in the medical field can be a dynamic and rewarding opportunity. The changing nature of the medical profession is creating a demand for multi-skilled health professionals such as the respiratory care practitioner. The Respiratory Care Programs are designed to prepare students to be employed in the hospital, clinic, laboratory, and the patient home setting. Respiratory Therapist perform a variety of clinical, diagnostic and management functions in these settings.

Southern offers an associate of science degree in respiratory therapy for the graduate of an accredited entry level respiratory therapy program. Previous respiratory care education and practice are recognized and valued throughout the curriculum. The associate degree curriculum expands respiratory care knowledge and practice gained in the entry level program to meet the changing health care needs of the community and region.

Certified Respiratory Therapists are admitted to the College as graduates of Franklin Technology Center's respiratory care technician program. In addition to the College's admission and transfer requirements, applicants to the associate degree program must show evidence of: graduation from a JRCRTE accredited entry level respiratory care program; current certification from the National Board of Respiratory Care. Recent graduates may be admitted conditionally as graduate technicians. These graduates must meet certification requirements prior to earning an associate degree from Southern.

Graduates of an entry level program accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) other than Franklin Technology Center may enter the program upon admission to Southern and obtaining approval of the Respiratory Therapy Program Director and the Dean of Technology.

Respiratory Therapy / 191

The associate of science degree in respiratory therapy combines Core Curriculum courses, advanced level respiratory care courses, entry level respiratory care courses, and courses in natural sciences to assure graduate outcomes.

Graduate outcomes

Graduates of the program will:

- Demonstrate the ability to comprehend, apply, and evaluate clinical information relevant to their role as respiratory therapist.
- Demonstrate the technical proficiency in all skills necessary to fulfill the role as a respiratory therapist.
- Demonstrate personal behavior consistent with professional and employer expectations for the respiratory therapist.

Admission Criteria

- 1. Graduation from a program accredited by the Commission on Accreditation of Allied Health Education programs (CAAHEP) for entry level respiratory care.
- Continuous enrollment, readmission or admission to Southern as a transfer student.
- 3. Preference given to persons currently holding certification from the National Board of Respiratory Care.

Associate of Science in Respiratory Therapy

Franklin Technology Center

Associate Degree Core Requirements not included in entry level curriculum	
Associate Degree Core Requirements included in entry level curriculum	

Respiratory Care Articulation	20
Associate Degree Respiratory Therapy	

Course Rec	quirements	21	
Resp 212	Advanced Life Support	3	
Resp 218	Advanced Life Support		
	Clinical Internship	3	
Resp 207	Cardiopulmonary		
	Assessment and		
	Hemodynamic Monitoring	3	
Resp 217	Cardiopulmonary		
	Assessment Clinical		
	Internship	3	
Resp 211	Advanced Neonatal and		
	Pediatric Care	3	

Resp 213	Pulmonary Rehabilitation and Home Care

Clinical Internship

Resp 218 Neonatal and Pediatric

Suggested Order of Study

Respiratory Care Entry Level

Freshman Year

Math 030

Course		Hours
Core Currio	culum	20
Bio 101	General Biology (included i	n
	the entry level core)	4
Resp 102	Applied Math (included in	
	the entry level core)	

Intermediate Algebra

3 **27**

3

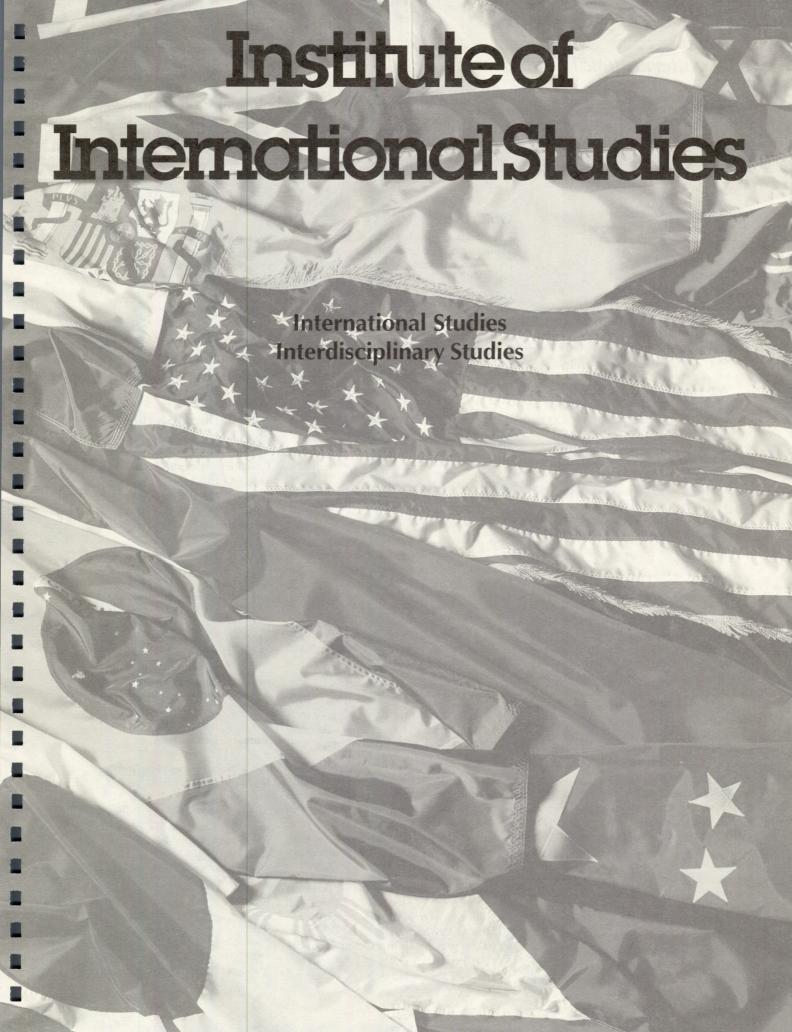
66

	Sophomore	Year	
	Fall Semeste	er	
	Eng 101	English Composition	3
	Hist 120	US History	3
18	Hper 101	Physical Activity	1
	Resp 212	Advanced Life Support	3
	Resp 218	Advanced Life Support	
_		Clinical Internship	3
7			13
	Spring Seme	ester	
20	Comm 100	Oral Communications	3
	Psy 100	General Psychology	3
	Art 110	Art Appreciation	3
21	Kine103	Lifetime Wellness	2
41	Resp 207	Cardiopulmonary Assessment	
		& Hemodynamic Monitoring	3
	Resp 217	Cardiopulmonary Assessment	
		Clinical Internship	3
			17
	Summer Ser	mester	
	Resp 211	Advanced Neonatal &	
		Pediatric Care	3
	Resp 220	Neonatal & Pediatric	
		Clinical Internship	3
	Resp 213	Pulmonary Rehabilitation &	
		Home Care	3
			9
	(Department	t Recommendation)	

Entry level core should include Fundamentals of Physical Science or Introduction to Chemistry, Intermediate Algebra, Introduction to Computers and a total of six semester credits of anatomy and physiology and/or cardiopulmonary anatomy physiology.

For additional information contact: Director of Respiratory Care Programs Missouri Southern State College/Franklin

Technology Center Allied Health Office 3950 E. Newman Road Joplin, MO 64801-1595 Phone: 417-659-4400



194 / International Studies

International Studies

Webster Hall 351, 417-659-4442

Faculty Massa - Director; Moorman - Assistant to Director; Bastian - Administrative Assistant

Role

International studies as defined by the Institute of International Studies allow as many disciplines as possible to become involved in the internationalizing of the College. In its conception, the Institute believes INTERNA-TIONAL implies the wholeness, the complexity, and the interdependence of all nations of the world. The Institute proposes five dimensions to global learning: that students become aware that they have a view of the world that is not universally shared; that students explore perceptions of the world as others see it; that students increase their awareness of the state of the planet, or where we have been, where we are, and where we are likely to be heading; that students derive a knowledge of how the world works; and an awareness that human choice is possible and can make a difference.

Today one must cope with a growing array of complex global issues which are, at their core, as former U.S. Senator William Fulbright once said, human problems not technological ones. Because of that, international studies must center on constructive interaction with people from cultures and countries other than the students' own. The Institute of International Studies provides courses, coordinates international enhancement of existing courses, supports development of new international courses, and promotes study, work, and travel abroad by students and faculty. Integrating language and cross cultural studies with disciplines and specific areas of concern, the Institute offers both a major and minor in international studies, further emphasizing the importance of such inquiry in the students' future world. The major in international studies is committed to the development by students of high intellectual standards, concern for the whole person, and practical cross-cultural and professional skills to enable them to embark upon immediate employment or graduate study. The Institute, moreover, is committed, through its leadership, in assisting global education to become more pervasive throughout the curriculum and extracurricular activities of the College.

Finally, the Institute is committed to continual assessment of international programs and its mission to ensure that students develop not only an awareness of international problems but specific competencies needed in business, industry, government, education, and the professions.

Objectives

It is the goal of the Institute of International Studies that all baccalaureate graduates of Missouri Southern State College, as a result of international programs, courses, and course elements, shall:

- Demonstrate an awareness of cultures other than their own, with their differing values, traditions, and institutions.
- 2. Realize the need for a tolerance of human diversity.

It is the goal of the major in international studies that students who complete the program shall:

- Demonstrate communication skills in a language other than their own at a proficiency beyond the intermediate level of study.
- 2. Analyze a variety of problems of international significance, selecting or creating possible solutions, and defining possible means of implementation.
- Compare values of one culture with those of another, demonstrating how values develop and analyzing how cultural values impact on decisions of international importance.
- 4. Analyze the impact of social institutions in their own culture as well as in another, demonstrating an understanding of individuals' roles in these systems, be they governmental, economic, religious, family, or occupational.
- 5. Identify activities and products which constitute the scientific/technological aspects of a culture other than their own, demonstrating an understanding of the impact of such activities and products on the individuals and the physical environment in a culture.
- 6. Identify those activities and products which constitute the artistic aspects of a culture other than their own; understand the impact which art, in its various forms, has on individuals in a culture; and analyze the uses of works of art within that culture.

Student Organizations

The International Club includes international students, international studies majors and minors, and students, faculty, and staff interested in understanding other cultures.

A major in international studies may lead a student to a satisfying career in foreign service or may prepare a student for graduate studies in specialized international fields. When combined with a major in another discipline, a major in international studies will prepare a student for a variety of jobs in the international workplace. It is through close consultation with an adviser that the student will most properly prepare for a career.

The Bachelor of Arts Degree with a Major in International Studies

Semester Hours

Core Requirements (p.43) Foreign Language (4 courses in one foreign language are required for the B.A. degree.) **International Studies Requirements:** 46-50 IntS 201 Introduction to International Studies 3 IntS 301 World Humanities IntS 302 World Environmental Issues IntS 303 Contemporary World Civilizations 3 IntS 304 Comparative Political Economy IntS 305 International Techno-Trends** IntS 400 Senior Thesis in International Studies **Supporting Requirements:** Foreign Language (6 additional hours in the foreign language used to satisfy the B.A. requirement) An appropriate research methods course in a specific discipline must be chosen in consultation with the student's adviser. Electives in approved international courses 18 **Electives** 18-22 128***

*Three hours of foreign language meet core requirements.

**Meets computer literacy requirement.

International Studies / 195

***Must include at least 40 upper-division (300-400 level) hours.

The Minor in International Studies

	Semeste	r Hours
IntS 201	Introduction to	
	International Studies	3
At least tv	vo of the following:	6
IntS 301	World Humanities	3
IntS 302	World Environmental	
	Issues	3
IntS 303	Contemporary World	
	Civilizations	3
IntS 304	Comparative Political	
	Economy	3
IntS 305	International	
	Techno-Trends	3

Six additional hours which can be selected from IntS designated courses and from IntS 301, 302, 303, 304, 305 or IntS 400, Senior Thesis in International Studies.
(Three hours could include a study-abroad experience.)

Foreign Language (six hours beyond the B.A. requirement of 12 hours, all in the same language.)

Suggested Order of Study

Bachelor of Arts Major Code 4900 International Studies Major

Freshman Year

1st Semeste	er	
Course		Hours
CORE	[Eng 101 Comp 1]	3
CORE	[Math 110 Intro to Col Mat	h] 3
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 101 Physical Activity] 1
Foreign La	nguage	3
Elective	[Hist 130 World Civilization	is] 3
Psy 120	College Orientation	1
		17

ter
[Eng 102 Comp II] 3
[PSc 120 Gov't: U.S./Sta/Loc] 3
[Art/Mus/Th 110 Appreciation] 3
[Kine 160 Lifetime Wellness] 2
nguage 3
[Hist 140 World Civilizations] 3

Sophomore Year

1st Semester		
CORE	[Hist 110 U.S. History]	3
CORE	[Phys 100 Fund of Phys Sci]	5
Foreign Lang	uage	3
IntS 201	Intro to Int'l Studies	3
CORE	[Econ 201 Prin of Econ]	3
		17

CORE	[Bio 101 General Biology]	4
Foreign La	nguage	3
IntS 304	Comp Political Economy	3
CORE	[Eng 261 Mstrpces of Wld Lit]	3
Elective	[Geog 211 Regions/Nations]	3
	1	6

Junior Year 1st Semester CORE [Hist 120/320 U.S. History] 3 Foreign Language 3 IntS 301 World Humanities 3 CORE [Eng 262 Mstrpces of Wld Lit] 3 Elective [Comm 305 Intercul Comm] 3 IntS 303 Contemporary World Civ 3

2nd Semester	
CORE [Psy 100/Soc 110]	3
Foreign Language	3
IntS 302 World Environmental Issues	3
Electives	6
	15

Senior Year 1st Semeste

21

1st Semester	
IntS 305	International Techno-Trends 3
Electives	12
	15

2nd	Semester
	0011100101

IntS 400	Sr Thesis in Int'l Studies	3
Electives		10
		13

[Department Recommendations]

For additional information contact:
Director, Institute of International Studies
Office: Webster 351

Office: Webster 351 Phone: 417-659-4442

Course Descriptions

IntS 201 (F) 3 hrs. cr.

Introduction to International Studies

An introduction to the interdisciplinary study of global issues. The student will receive a variety of ideas, insights, and images of the world, and will discuss a number of topics including methodologies of global studies and career options. Required of international studies majors and minors, open to all others.

IntS 298 (Demand)

3 hrs cr

Selected Topics in International Studies

Topics not normally included in another course. Prerequisites are determined by the Institute of International Studies and stipulated in the course syllabus.

IntS 301 (F) 3 hrs. cr.

World Humanities

Transcultural study of the manifestations of the major art forms of the humanities: literature, theatre and film, painting and sculpture, music and dance. The course will stress critical exploration of the relation of the art forms to the cultures from which they emerge and comparative study of the nature and function of the art forms in traditions temporally or spatially distinct from each other, including western and eastern traditions. Required of international studies majors; open to all others. Prerequisite: 3 cr. hrs. from among Core Curriculum humanities courses.

IntS 302 (S) 3 hrs. cr.

World Environmental Issues

A global survey of the environmental disasters, both natural and manmade, that plague the world community, including earthquakes, volcanoes, floods, avalanches, atmospheric phenomena, climate modification, radiation, destruction of tropical rainforests, declining biodiversity, resource depletion, stratospheric ozone depletion, urbanization and overpopulation; discussion of global carrying capacity and limits to growth; analysis of "sustainable" global communities; an overview of global responses to environmental issues through economic policies, the United Nations, international treaties, and the "Green" political movement; and critical review of the various philosophies which underpin contemporary evaluations of the condition of the environment. Required of international studies majors; open to all others. Prerequisite: Physics 100 and Biology 101.

IntS 303 (F) 3 hrs. cr.

Contemporary World Civilizations

A systematic and comparative introduction to the contemporary history of major world civilizations, with a special emphasis on historical developments that have influenced more than one civilization or cultural region. Required of international studies majors; open to all others. Prerequisite: 3 hours of history.

IntS 304 (S) 3 hrs. cr.

Comparative Political Economy

Comparative study of alternative methods of solving the political and economic problems of production, distribution and allocation. Required of international studies majors, open to all others. Prerequisite: 3 hours of economics.

196 / International Studies, Interdisciplinary Studies

IntS 305 (F)

3 hrs. cr.

International Techno-Trends

A systematic and comparative view of the historical, cultural, environmental, ethical, economic, legal and political factors that have influenced issues and trends in technology. Issues related to international communications, criminal justice, health and manufacturing will be explored. Required of international studies majors and minors; open to all others. Prerequisite: English 102 and Junior Standing.

IntS 400 (F, S)

3 hrs cr.

Senior Thesis in International Studies

(Writing Intensive)

With a faculty supervisor the student will explore and challenge a topic of global concern and produce a senior thesis and make an oral presentation. Required of all international studies majors. Prerequisite: Senior standing, permission of the director of the Institute of International Studies and an appropriate course in research techniques chosen in consultation with the student's adviser.

IntS 498 (Demand)

3 hrs. cr.

Special Topics in International Studies

For upper-division students. Topic to be announced each time the course is offered. Prerequisites are determined by the Institute of International Studies and stipulated in the course syllabus.

IntS 499

1-3 hrs. cr.

Independent Study in International Studies

An independent course structured by the adviser with approval of the director of the Institute of International Studies. Prerequisite: Must have completed 90 hours with a cumulative grade point average of 3.0 and have completed a minimum of 15 hours of international studies courses. Project must be approved by adviser, by the course director, and by the director of the Institute of International Studies prior to enrollment.

Interdisciplinary Studies

Multidisciplinary and Interdisciplinary Studies

The goal of interdisciplinary study is to help students develop knowledge and skills outside the traditional discipline boundaries.

Minor in Multimedia

The minor in Multimedia is designed to allow students to gain the skills necessary for careers in a variety of occupations such as business communications, advertising, graphics and the arts, network communication systems, and business and media communication. Students will gain skills in software, multimedia design, programming, communication, marketing, and strategy development.

Minor in Multimedia

Required:

MM 415	Virtual Marketing	3
Comp 110	Programming I	3
Art 101	Basic Design I	3
Comm101	Intro to Human Comm	3

Choose two*:

Total for Mi	nor (Multimedia)	18
		6
MM 432	Consumer Behavior	3
MM 401	Promotional Mgmt	3
MM 337	Mgmt Info Systems	3
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*Other courses may be substituted with permission of adviser.

Course Descriptions

MIDS 101 (F,S)

1 hr. cr.

Honors Forum

An open-forum to introduce Honor students to the principles and practice of scholarly inquiry and active learning. Students in small groups are responsible for the selection, design, research, and presentation of topics covering a range or a combination of disciplines. May be taken up to three times for credit.

MIDS 298 (Demand)

1-4 hrs. cr.

Interdisciplinary Seminar

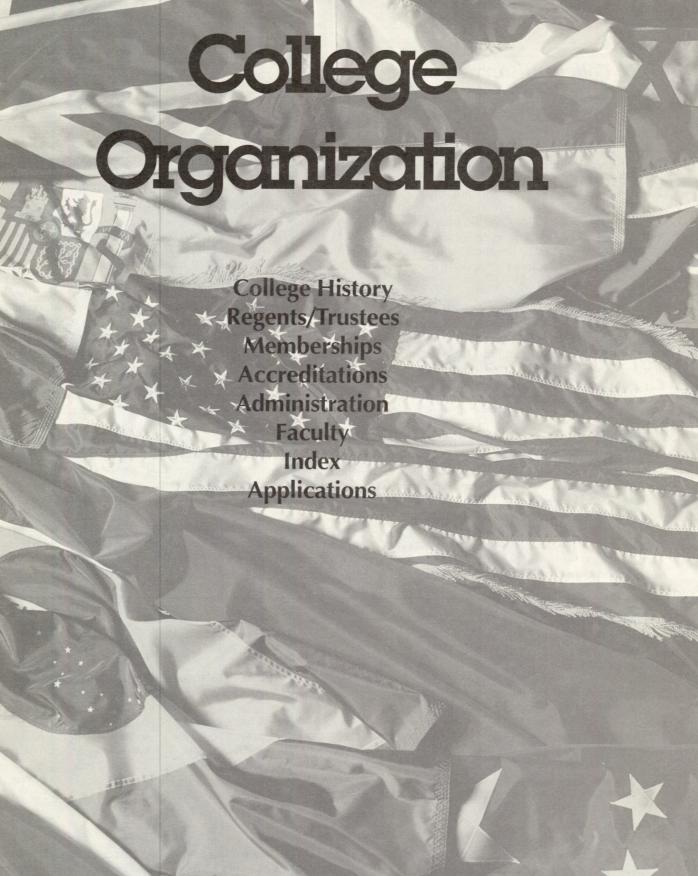
An interdisciplinary course. Topics will vary. Open to all students. 1-4 credit hours. Prerequisites will vary according to topic. Enrollment with instructor's permission only.

MIDS 398 (Demand)

3 hrs. cr.

Interdisciplinary Seminar

An interdisciplinary Honors course. Topics will vary. Open to juniors and seniors in the Honors Program and to others with a 3.5 GPA with instructor's permission. Required for juniors in the Honors Program. Prerequisites: Membership in the Honor's Program and completion of 60 or more credit hours or 3.5 GPA and instructor's permission.



College History

The citizens of Joplin, who in the late 1930s asked the public school district to offer college classes, could not have envisioned the sprawling campus and multidiscipline curriculum that today is Missouri Southern State College. From that initial request came Joplin Junior College, founded in 1937 as part of the Joplin school system. Nine faculty members and 114 students began classes under the auspices of the Extension Division of the University of Missouri in the new high school building.

In the spring of 1938, voters approved almost five-to-one a bond proposal that would assure the continuation of the junior college. During the next 25 years Joplin Junior College established a national reputation for outstanding academic strength, a strong foundation for what was to come. By the mid-1960s, area citizens again recognized the need for expanded educational opportunities.

In 1964, the citizens voted eight to one to create the Junior College District of Jasper County with a Board of Trustees to govern the newly named Jasper County Junior College. The following year, the Missouri General Assembly established a two-year senior college to be funded by the state when facilities of the junior college became available. The district would continue to fund the freshman and sophomore years.

The area again responded with enthusiastic and generous support to fund the building of a new campus on the site of the Mission Hills Farm to house the growing college. Administration and faculty, working with other college educators around the state, began developing the new curriculum. In August 1967, students gathered for the first time on the new campus of Missouri Southern State College.

The dual funding arrangement with the state continued until 1977 when on July 1 the State of Missouri officially took on the responsibility of funding the entire College.

With growing global interdependence, it became clear that Missouri Southern must prepare its students to function successfully in the new world that was emerging. So in June 1990, plans were announced to pursue the expansion of the College's mission to incorporate an international emphasis in all its academic and special programs. In 1995, the Missouri General Assembly approved House Bill 442, directing the institution to "develop such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission." The following year the Legislature began phasing in increased appropriations to help Missouri Southern make the global mission a reality. Many new programs in international education that will enrich and complement the existing programs are now being phased in.

Today Missouri Southern State College remains a proud member of the state's higher education family while continuing to serve the region that is an integral part of its past.

Board of Regents

Glenn D. Wilson	1997
Robert Lamb	1998
Stephen P. Carlton	1999
Carolyn B. Phelps	2000
Jane Wyman	2001
Loretta M. Wilcox	2002

Memberships

Teacher Education Council of State Colleges and Universities

American Association of State Colleges and Universities American Association of Colleges for Teacher Education Association of Collegiate Business Schools and Programs North Central Association

Council for the Advancement and Support of Education American Assembly of Collegiate Schools of Business Association of Collegiate Schools and Business Programs National League for Nursing Council of Baccalaureate and Higher Degree Programs

National League for Nursing Council of Associate Degree Programs

Board of Trustees

Donald R. Patterson Jerry E. Wells

Accreditations and Approvals

North Central Association of Colleges and Secondary Schools, 30 N. LaSalle Street, Suite 2400, Chicago, IL 60602-2504, Phone: 800-621-7440 National Council for the Accreditation of Teacher Education 2010 Massachusetts Ave. N.W., Suite 500, Washington D.C. 20036, Phone: 202-466-7496

Missouri State Board of Nursing

Missouri State Department of Elementary and

Secondary Education American Dental Association

American Medical Association

National League for Nursing Accrediting Commission Committee on Allied Health Education and Accreditation

National Association for Accreditation of Clinical Laboratory Sciences

National Environmental Health Association (NEHA)

Information concerning accreditation, including copies of pertinent documents, may be obtained from the Office of the Vice President for Academic Affairs

Administrative Staff

President	
Senior Vice President	
Vice President for Academic Affairs	Erik J. Bitterbaum
Assistant Vice President for Information Services	J. Steve Earney
Assistant to the Vice President for Academic Affairs	Nadine P. Schmidt
Dean of Students	
Head Librarian	Charles H. Kemp
Registrar	To Be Announced
Dean, School of Arts and Sciences	J. Larry Martin
Dean, School of Business Administration	James M. Gray
Dean, School of Education	Michael J. Horvath
Dean, School of Technology	Jack G. Spurlin
Head, Department of Art	Jim J. Bray
Head, Department of Biology	John P. Messick
Head, Department of Communications and Foreign Languages	Richard W. Massa
Head, Department of Computer Science	Jack L. Oakes
Head, Department of Criminal Justice	Robert R. Terry
Head, Department of Dental Hygiene	
Head, Department of English	
Head, Department of Kinesiology	· · · · · · · · · · · · · · · · · · ·
Head, Department of Mathematics	
Head, Department of Music	·
Head, Department of Nursing	
Head, Department of Physical Sciences	
Head, Department of Social Science	
Head, Department of Teacher Education	
Head, Department of Theatre	
Director of Alumni Affairs	Lee E. Pound
Director of Assessment and Institutional Research	
Director of Budgeting and Operations	
Director of Career Services	
Director of Continuing Education	
Director of Counseling	
Director of Enrollment Services	
Director of Human Resources	
Director of Institute of International Studies	
Director of International Language Resource Center	
Director of International Earliguage Resource Center	
Director of Men's Athletics	,
Director of Missouri Southern Foundation	
Director of Missouri Southern Foundation	
Director of Public Information	
Director of Student Financial Aid	
Treasurer	
IICabulci	Sieve D. Lai ever

200 / Faculty

Faculty

(Date indicates first year of full-time MSSC service)

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Master's (M.Ed.), University of Missouri — Columbia

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Graduate Study, University of Arkansas

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204 / Faculty

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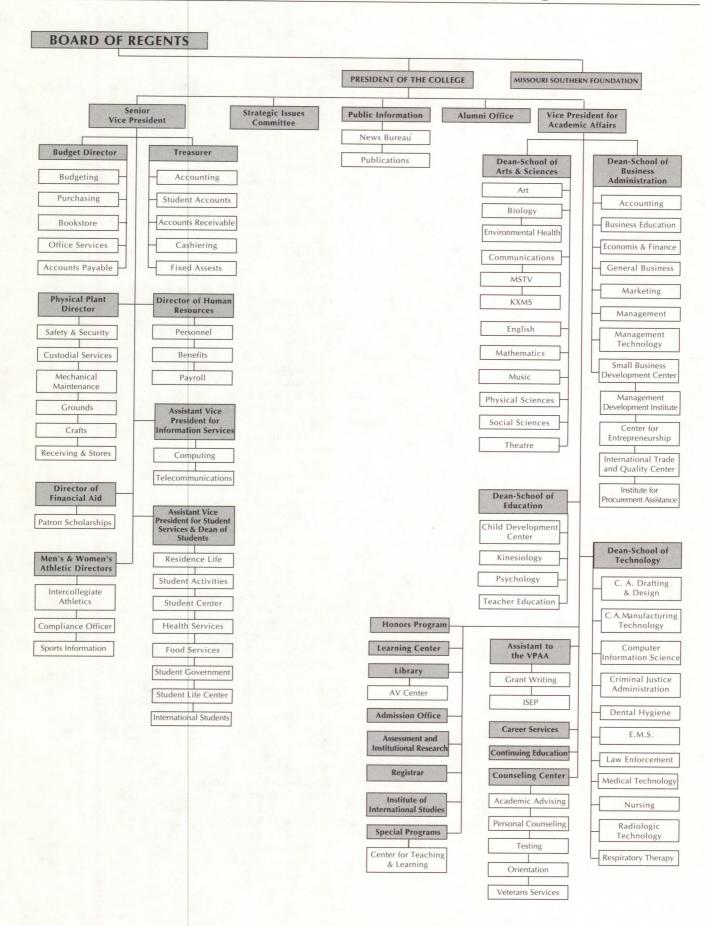
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5 5

Equal Opportunity

Missouri Southern State College does not discriminate on the basis of disability, race, color, religion, national origin, sex or age in the recruitment and admission of students, the recruitment and employment of faculty and staff and the operation of any of its programs and activities, as specified by federal laws and regulations. The Director of Personnel is the designated coordinator for compliance with Section 504 of the Rehabilitation Act of 1973, Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972 and the Age Discrimination Act of 1967.

Disability Access

Missouri Southern State College reschedules and relocates classes to ensure accessibility under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. If any person has a special need, please contact the Director of the Learning Center who, in conjunction with the office of the Vice President for Academic Affairs, will reschedule or relocate the class to provide accessibility or provide other assistance as required by law. Information concerning accessible facilities is available from the Director of the Learning Center.

Family Educational Rights and Privacy

The College may disclose personally identifiable information from an educational record of a student without consent in following situations:

- The disclosure is directory information which includes name, address, telephone listing, date and place of birth, major, participation in activities and sports, dates of attendance, degrees and awards received and most recent previous institution attended.
- 2. The disclosure is to school officials, including teachers, who have a legitimate education interest.
- 3. The disclosure is to parents of a dependent student as defined in the Internal Revenue Code.
- 4. The disclosure is in connection with a health or safety emergency.
- 5. Other situations listed in 34CFR 99.31.

Policy Changes

The College reserves the right to make changes as required in course offerings, curricula, academic policies and other rules and regulations affecting students, to be effective whenever determined by the College. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions.

Honors Program Application

Ms.		
Name Mr.		
Last	First	Initial
Social Security No:	Telep	phone No: ()
Address:		
Street	City	State Zi
Highest ACT Composite Score: Test Date: Have you been admitted to MSSC? If not, please apply at once.	Check below if one National Merit No National Merit National Merit	Finalist
Have you applied for financial aid? Yes I If not, please consider doing so.		extracurricular activities, and inter a separate sheet if necessary.
High School: GPA:	<u> </u>	
Year of Graduation: Class Standing:/_		
Intended Major:		
For already enrolled or transfer student		
College or University Attended:		
Hours Completed: GPA:	A	
Quarter System		John James Comment
Semester System		
Please list the names of the two people you plan ask for references.	to	
Name Title		
Name Title		
For Office Use Only Action taken:	Signature	e Date

INSTRUCTIONS

REQUIREMENTS

For entering freshmen, an Enhanced ACT composite score of 28 or above or a GPA of at least 3.5 (on a 4-point scale) is required for eligibility to apply for admission to the Honors Program.

Students who have completed at least 15 but fewer than 30 hours of coursework with a least a 3.5 GPA either at MSSC or at another accredited college or university are eligible to apply for admission to the Honors Program.

APPLICATIONS PROCEDURES

Incoming Freshman

* A completed **APPLICATION FORM** must be filed.

* Please request that an official high school **TRAN-SCRIPT** be sent directly to the Honors Program.

- * Your **ACT RESULTS** must be on record, either separately or on your transcript.
- * Arrange to have two **LETTERS OF RECOMMENDA- TION** sent directly to the Honors Program, one from high school principal and one from one of your high school teachers. Additional letters are also invited.
- * You need to arrange for an INTERVIEW.
- * You may be required to submit an **ESSAY** describing your academic goals and explaining your participation in the Honors Program.

Already Enrolled or Transfer Student

- * A completed **APPLICATION FORM** must be filed.
- * Please request that an official college **TRANSCRIPT** be sent directly to the Honors Program.
- * Your **ACT RESULTS** must be on record, either separately or on your transcript.
- * Arrange to have two **LETTERS OR RECOMMENDA- TION** from you college instructors sent directly to the Honors Program. Additional letters are also invited.
- * You will need to arrange for an INTERVIEW.
- * You may be required to submit an **ESSAY** describing your academic goals and explaining your participation in the Honors Program.

For consideration for entrance into the program in the fall semester, application materials, including the interview must be complete by March 1; for the spring semester all materials should be received by November 15.

Send all application materials to:

Missouri Southern State College Honors Program Director 3950 E. Newman Rd. Joplin, MO 64801-1595

Telephone: In Joplin 1-417-625-9300 or 625-3005

Toll-Free: 1-800-606-MSSC (6772)

Missouri Southern State College is an equal opportunity and affirmative action institution. The college reserves the right to amend regulations when necessary.

Patron's Scholarship Application

Please complete application on both sides

Missouri Southern State College Scholarship Room 117 3950 E. Newman Road Joplin, Missouri 64801-1595 (417) 625-3161

Need	Code	GPA	
Scholarship_			
Donor			
Address			

Note: By filing this form you will be considered for any one of 200 Patron Scholarships available through the Missouri Southern State College Scholarship program.

How to apply: 1. Must apply or have applied for admission.

- 2. Transfer students must have transcripts on file with Registrar's Office.
- 3. **Type** or **Print** application.

Name					
First	Middle	Last	Last		
Social Security Number		Pho	ne		
Address					
AddressNumber of Stree	t City	State	Zip	County	
Male Female	Married	Single _	down ye	GED	
Date of High School Gradu	ation	High School			
City/State	Transfer	Anticipated se	mester to a	attend MSSC	
Entering Freshman	Freshman	Sophomore	Junior _	Senior	
Major		Minor			

Check criteria which apply to you.

- 1. Student Nurses' Association (SNA)
- 2. Communication (major)
- 3. Non-traditional student
- 4. Beimdiek Insurance employee
- 5. Son or daughter of MSSC alumni
- 6. Graduate top half of class
- 7. Father or grandfather Lions
- 8. Interested in technology major
- 9. Single parent

All qualified applicants will receive consideration without regard to non-merit factors: race, sex, creed or disability.

Statement of certification: If I am awarded a scholarship program administered by Missouri Southern State College I must meet satisfactory academic progress.

Entering Freshmen or New College Transfer Students only-

Application will not be processed unless this section is completed and signed by your HS Counselor/Principal or College Registrar.

	by your HS Counselor/P	rincipal or College Registrar.
(HS) School GPA on a 4.00 g	grade point system	(College) Last semester completed GPA
Signature		Title
Date		
	Please do not send trans	script to Financial Aid Office
Are you receiving any of the fine temperature and the fine fine fine fine fine fine fine fin	President's D	Non-Residency Junior College Transfer Deans' Performing AidAthletic Other
Are you currently employed?	If yes, list place	of employment
(If dependent) Father's employ	yer	
(If dependent) Mother's emplo	oyer	
(If married) Spouse's employe	r	
PLEASE COMPLETE THE FOL	LOWING:	
Scholastic honors:		
Activities:		
Organizations:		
Volunteer Work:		
 Students may not receive Scholarship recipients may scholarship; not to excee All scholarships are issue 	e more than one scholars ay receive athletic and p d the student's college c d for one year only. ect to change without no	performing awards which must be coordinated with the osts. Stice and are subject to review by the scholarship commit-
Date Signed	Signature	

1-800-606-MSSC 1-417-782-MSSC

Missouri Southern State College 3950 E. Newman Road Joplin, MO 64801-1595

For Office	Use Only
Ent	Ву
Fee	Ву

Application for Admission

	\$15.00 NON-	REFUNDABLE ap	pplication fee	required for fi	rst time students	only.	
1.	Social Security Number (Required)	-	<u> </u>	1111			
2.	Name (Print)						
	(Last)	(First)		(Middle)	(Ma	iden or Former	Names)
3.	Sex (Circle) Male Female						
4.	a. Are you a veteran? (Circle) Yes	No b. Are you e	eligible for Ve	terans Educa	tional Benefits?	(Circle) Ye	es No
5.	Date of Birth: Month						
6.	Permanent mailing address:						
	Street or Route		City			County	
	State	Zip Code		Telephone 1	Number () _		
	How long have you resided at the abo	ve address?	If le	ess than 1 year	r, indicate addres	sses for past y	rear.
7.	Are you a U.S. Citizen: (Circle) Ye	s No If no, wha	at visa do you ntry of birth	hold?	Ma	jor	
8.	a. Student Status (Circle)						
	 First Time Student (at college leve Transfer Student (attended any oth Former Student of MSSC or Joplin 	er college)	5. Credi	-in-Escrow (pe	r degree or greater rmission of author ly (letter of approv	ized high school	
	b. College credit hours completed (C	Circle) 0-29 (Fres	sh.) 30-	59 (Soph.)	60-89 (Jr.)	90 or more	e (Sr. or Grad.)
9.	Admission Status (Circle one only) Regular-Degree Seeking: 1. Baccalaureate (4-yr.) 2. Associate (2-yr.) 3. Certificate (1-yr.) 4. Undecided, or Post-Grad Studies 4. Contact only 2 only 3 only 4 on	her - Non-Degree emporary pecial ransient redit-in-Escrow	Seeking: 5. Return to L 6. Workshop 7. Audit 8. International		'OTHER for finance	Students circli categories are cial aid and do n requirements	not eligible not meet
10.	The college term in which you expec	t to enroll: Fall	1 19	Spring	g 19	Summer	19
11.	a. High school date of graduation: 1 b. Name of high school						
	(or location of where GED was taken)	1 0 (6: 1)	W M				
	c. Are you a mid-term high school g		Yes No				
12.	College attended - put most recent on	the top line:					
	Name	Location		Dates attended From T		D	71
	Name	Location		From T	0	Degrees I	carned
				1212			
13.	a. Are you currently on suspension b. Name of college	from any college?	(Circle) Y	es No Semester	and year of susp	ension	
	b. Name of collegec. Have you ever been convicted of,	or pleaded guilty	to a felony? (Circle) Yes	No If yes, expla	ain on a sepa	rate sheet of pape
4.	Have you been immunized against:	a. Measles (t	wo doses)? (C	ircle) Yes 1	No b. Rube	lla? (Circle)	Yes No
15.	What is your racial background? (C	Circle)					
		acific Islander		-			
16.	Next of kin (in case of emergency)				Phone (_)	
	Street		City		State_		Zip
	Next of kin (in case of emergency)						
	Street						
	ouri Southern State College does not discrir sion of services. For further information co						ge in employment or t
17.	I certify that the information provide transcript requirements.			best of my kr	nowledge, and th	nat I have rea	d the admission ar
	(Signature)	D1977 10 10 10 10		(Date submit	ted)		
	Chook hore if you would like	application for 1	ougin ~				
	Check here if you would like an	application for ho	ousing.				

Revised 4/97

Thank you for your application. Please let us know if we may be of any further assistance.

Admission Requirements

Subject to change without notice

FIRST - TIME COLLEGE STUDENT:

- 1. Application
- 2. \$15.00 nonrefundable admission fee
- 3. Final high school transcript with graduation date, rank in class, and grade point average mailed directly from the high school
- 4. Enhanced ACT scores on file at MSSC.
- 5. **REGULAR ADMISSION** Students will be admitted if:
 - A) they rank in the upper one-half of their high school graduating class; OR
 - B) they have a composite score of 18 or above on the ACT admission test. Admission denied if students do not meet the above standards. Denial may be appealed to the Admission Office Review Committee.
- 6. GED students must have a composite score of 18 or above on the ACT test. Denial may be appealed.
- 7. Students may not repeat residual ACT testing until 60 days have passed since their previous residual testing.
- 8. Core Curriculum Reporting Form.

MEETING THE REQUIREMENTS

All high school graduates who graduate Spring 1996 or after will need to complete all the core requirements for college admission beginning in the Fall 1996.

English 4 units, Math 3 units, Social Studies 3 units, Science 2 units, Visual Performing Art 1 unit, and core electives 3 units. (See counselor or admission staff for correct courses that meet the 16 unit requirement.)

TRANSFER STUDENT:

- 1. Application
- 2. \$15.00 admission fee
- 3. a) Student must request that all official college transcripts be mailed directly to the MSSC Admission Office within 20 days after the first day of classes.
 - b) Students with a baccalaureate degree need to provide only the transcript from the institution that conferred the degree. Postgraduate work may be requested if applicable to work at MSSC.
 - The transcript(s) must be mailed by the previous institution directly to the MSSC Admission Office
- 4. ACT SCORES MUST BE ON FILE AT MSSC unless you have completed college math, English, and history.
- 5. Selected majors may be required to have Enhanced ACT scores on file before consideration into their programs.
- 6. Admission denied if student is not eligible to return to the last college or university attended (Must meet requirements of suspension from last college before entering MSSC.)

- ADMISSION TO SPECIAL PROGRAMS -

TEACHER EDUCATION, HONORS,

NURSING, DENTAL HYGIENE, RADIOLOGIC TECHNOLOGY

Candidates who are interested in the above programs must also apply for admission to the individual department. These programs have separate applications, requirements, and deadlines, in addition to the admission standards for the college. For full information on admission and acceptance criteria to these programs, contact the specific department.

FOREIGN STUDENT:

- 1. All students whose first language is NOT English must pass the TOEFL Test and score a minimum of 535 or score a least 75% on the Michigan Test.
- 2. Foreign students must meet additional admission requirements. Application and requirements are available upon request.

Admission Office Missouri Southern State College Joplin, MO 64801-1595 1-800-606-MSSC or 417-782-MSSC FAX: 417-659-4429

Residence Hall Information

On Campus residence requirements

All freshmen and sophomores under the age of 21 are required to live in Missouri Southern State College Residence Halls to the extent space is available, unless they are married, live with their parents, live with a relative, or are excused by the Dean of Students.

General Information

Missouri Southern houses over 500 students on campus. The two main residence halls are Blaine Hall (200 men) and McCormick Hall (100 women). Apartment-style units house an additional 250 students.

The rooms on campus are furnished with twin size extra long beds, bed pads, study carrels, desks, chairs, lamps, wastebaskets, mini blinds, night stands, and free local telephone service is provided along with voice mail and individual access codes. Students are required to bring sheets, pillow, blankets, and all personal belongings. The apartment units are also furnished with sofa, chair, lamps, coffee table, refrigerators and microwaves.

All residence hall facilities are air-conditioned. Cable TV, study lounges, recreational areas, IBM Personal Computers, vending machines, and laundry facilities are also included. The Residence Halls are staffed by two full-time professional Resident Directors who are assisted by a paraprofessional staff of 18 Staff Assistants.

Resident students are also entitled to food service. Twenty meals are served each week in the Student Center Cafeteria. Individual meals feature salad bar and unlimited servings, including entrees.

For additional information

Call:

Missouri Southern State College Residence Life Office (417) 625-9522 1-800-606-MSSC toll free or write: Missouri Southern State College

Residence Life Office 3950 E. Newman Rd. Joplin MO 64801-1595

Request for application

Complete and return the form below	to receive a Contract	for Room and Boa	rd Accommodation	ns	
Name	Date				
(Last) (First)	(Mide	dle)			
Address					
(Street)	(City)	(State)	(Zip Code)		
Telephone ()					
Detach and return this form to:	Missouri Southern S Residence Life Offic 3950 E. Newman Ro Joplin, MO 64801-1	e pad			
Semester entering MSSC Residence F	Halls: Fa	all S	Spring	Year	